

Service-Manual

VR

1993



VCR 3784 HIFI VPS/SV VCR 3784 HIFI N/SV VCR 3784 HIFI UK/VP

Schaltbilder, Leiterplatten, Ersatzteile-Liste, Elektrischer 'Abgleich.

Mechanik-Justagen siehe nächste Seite.

Sicherheitsbauteil!



Dieses Symbol kennzeichnet in den Schaltbildern alle Bauteile, die nur durch Originalteile ersetzt werden dürfen.

Bei Reparaturen gültige Sicherheitsvorschriften beachten!

Circuit diagrams, P. C. B., spare parts list, electrical alignment. Mechanical adjustments see next page.

Safety Component!



This symbol identifies in the circuit diagrams all safety critical parts. Replace only with specified part numbers.

Service and repair work to be performed only in accordance with existing safety regulations!

Schémas, circuits imprimés, liste des pièces détachées, alignement.

Mécanique ajustages voir page suivante.

Composant de protection!



Ce symbol indique tous les composants dans les schémas, qui doivent être remplacés uniquement par des pièces d'origines.

Pendant le dépannage, respecter les régulations du sécurité!

Liste der Service-Manuale List of Service Manuals Liste des manuals	Elektrischer Abgleich, Schaltbilder, Leiterplatten, Ersatzteile-Liste	Mechanik-Justagen
	Electrical alignment, circuit diagram, P.C.B., spare parts list	Mechanical adjustmen
Modell Model	Alignment, schèmas circ. imprimès, liste des pièces dètachèes	Mèchanique ajustages
Modèle	No.	No.
NOKIA VCR 3704 VPS NOKIA VCR 3704 NOKIA VCR 3704 EE	6611 74 35	6611 74 46
LUXOR VCR 4704 SALORA VCR 624	6611 74 36	
NOKIA VCR 3744 VPS/SV NOKIA VCR 3744 SV NOKIA VCR 3744 UK/VP	6611 74 37	
LUXOR VCR 4744 SV SALORA VCR 824 SV	6611 74 38	NOTE!
NOKIA VCR 3764 HIFI VPS NOKIA VCR 3764 HIFI N	6611 74 39	Manual 6611 74 46 is only a supplemen
LUXOR VCR 4764 HIFI N SALORA VCR 914 HIFI N	6611 74 40	for the '93 model The Basic Manual
NOKIA VCR 3784 HIFI VPS/SV NOKIA VCR 3784 HIFI N/SV NOKIA VCR 3784 HIFI UK/VP	6611 74 41	6611 77 06. (1990).
LUXOR VCR 4784 HIFI N/SV SALORA VCR 924 HIFI N/SV	6611 74 42	
NOKIA VCR 3724 UK/VP NOKIA VCR 3724 IR/VP	6611 74 43	
NOKIA VCR 3714 VPS/SV NOKIA VCR 3714 SV	6611 74 44	
NOKIA VCR 3784 HIFI IR/VP	6611 74 45	

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CIRCUIT DIAGRAMS (Refer to the separate volume)

1. DISASSEMBLY

1-1. REMOVAL OF CABINET, MECHANISM UNIT AND MAIN BOARD

REMOVING THE CABINET PARTS (Fig. 1.1.1)

- 1. Remove the cabinet and bottom cover by removing the four screws (A) and five screws (B).
- 2. Remove the front panel by removing the locks of the clamps (C) using a screwdriver, etc. and slightly rotating the bottom part in the direction of the arrow.

NOTE: Electrical adjustments for the this model can be performed with only the cabinet removed.

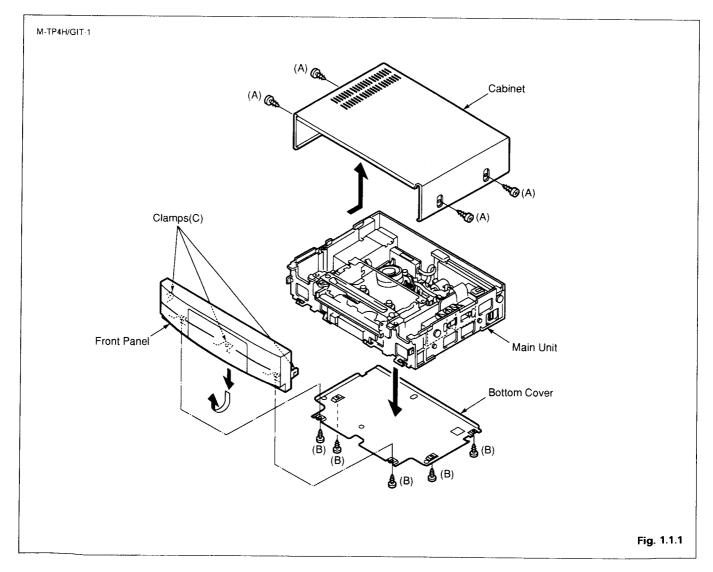
REMOVING THE MECHANISM MAIN UNIT (Fig.1.1.2) After removing the cabinet parts:

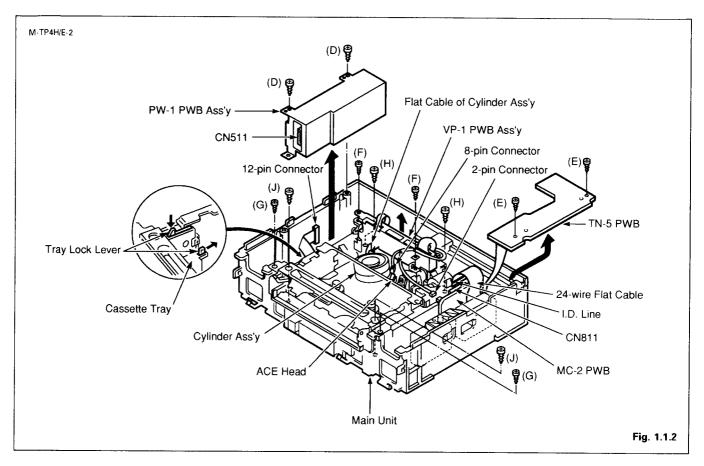
- Remove the 12-pin connector from CN511 and the two screws (D), and then remove the PW-1 PWB Ass'y.
- Remove the two red screws (E), and then remove the TN-5 PWB. It is not necessary to remove the cables connected between the TN-5 PWB and CP-1 PWB Ass'y. (Except VCR 3784 HIFI VPS/SV)
- Remove the 8-pin connector from the ACE head, and the 2-pin connector and 24-wire flat cable from the MC-2 PWB.
- Remove the flat cable from the Cylinder Ass'y, then the two screws (F), and finally the VP-1PWB Ass'y. It is not necessary to remove the two party cables connected between the VP-1 PWB Ass'y and CP-1 PWB Ass'y.

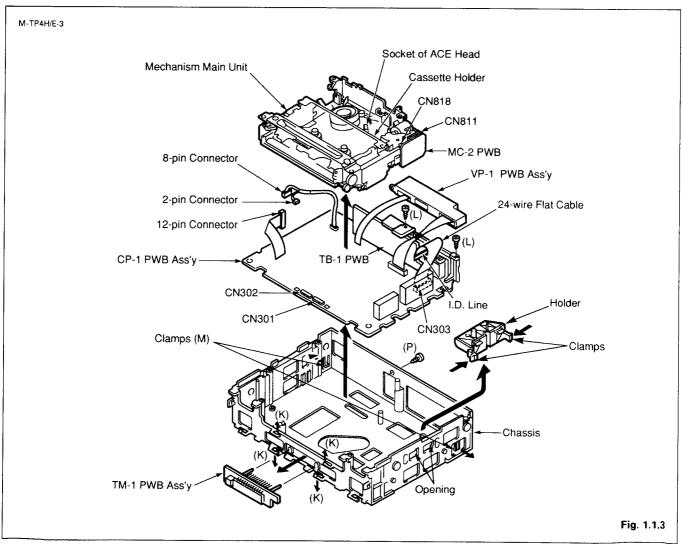
5. Remove the mechanism main unit by removing the two screws (G) and two screws (H). Remove, as well, the two screws (J) at the cassette tray side while pressing the tray lock lever as shown in the enlarged view and pushing the cassette tray to the position where the two screws (J) appear.

REMOVING THE CP-1 PWB ASSEMBLY (Fig. 1.1.3) After removing the cabinet parts and the mechanism unit:

- Pull out the TM-1 PWB Ass'y from CN301 and CN302 while pressing and spreading out the four clamps (K) as shown by the arrows.
- Remove the holder set to the opening of the chassis, while pressing the clamp in the direction of the arrow.
- Remove the two red screws (L). and the screw (P). Next, remove the CP-1 PWB Ass'y by lifting it straight up while pressing and spreading out the two clamps (M) as shown by the arrows.



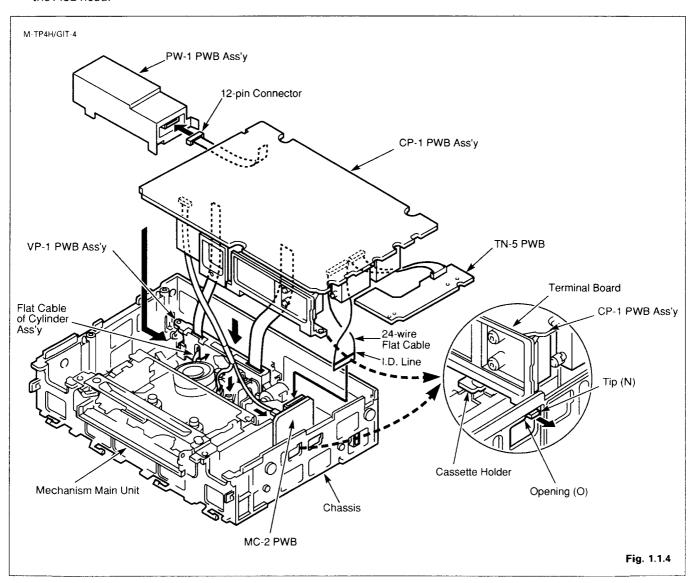




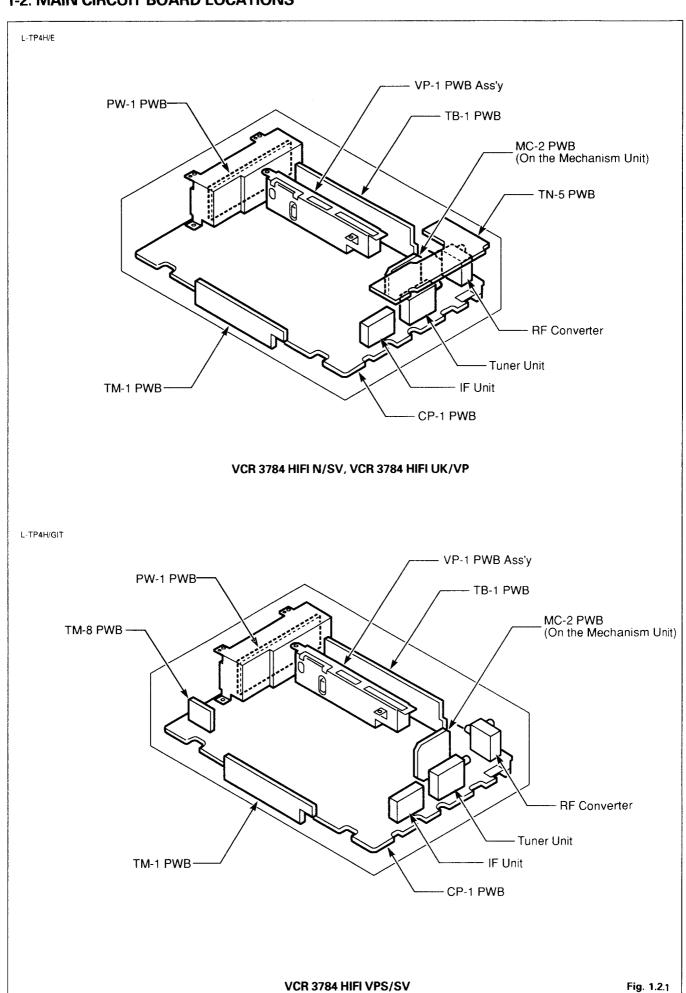
TEMPORARILY SETTING UP AND CONNECTING MAIN PWB ASSEMBLY

The following is an example of how to place and connect the main PWB not requiring a jig, when repairing the CP-1 PWB assembly (Fig. 1.1.4)

- 1. Place the mechanism main unit at the fixed position on the chassis.
- Insert the VP-1 PWB Ass'y at the fixed position of the mechanism unit and connect the flat cable of the Cylinder Ass'y.
- 3. Connect the 24-wire flat cable and the 2-pin connector to the MC-2 PWB, and then connect the 8-pin connector to the ACE head.
- 4. Connect the TM-1 PWB Ass'y to operate the VCR by using the remote control, and then connect the 12-pin connector to the CN511 for the PW-1 PWB Ass'y.
- 5. Place the CP-1 PWB Ass'y above the mechanism main unit along the cassette holder. Insert the tip (N) of the terminal board into the opening (O) at the side of the chassis, as shown in the enlarge view.



1-2. MAIN CIRCUIT BOARD LOCATIONS



2. ELECTRICAL ADJUSTMENT

PREPARATION

This VCR need 4 basic presetting by using the menus displayed on-screen.

After all connection have been made, then follow steps 1 to 4 to preset the VCR.

The 4 presetting steps will be displayed in sequence on TV screen. The setting are entered with the remote control.

Turn on the VCR

- 1. Adjusting the TV receiver to the video channel: The WELCOME screen will appear. When the video channel has been preset, press the OK button on the remote control.
- 2. Language selection: Select the desired language, then press the OK button.
- 3. Clock setting: Using the remote control numeric buttons, enter the date and time, press the OK button.
- Tuning control adjustments: When the channel position has been preset, press the MENU/TV button.
 When steps 1 to 4 have been finish, ready to operate the all operating mode.

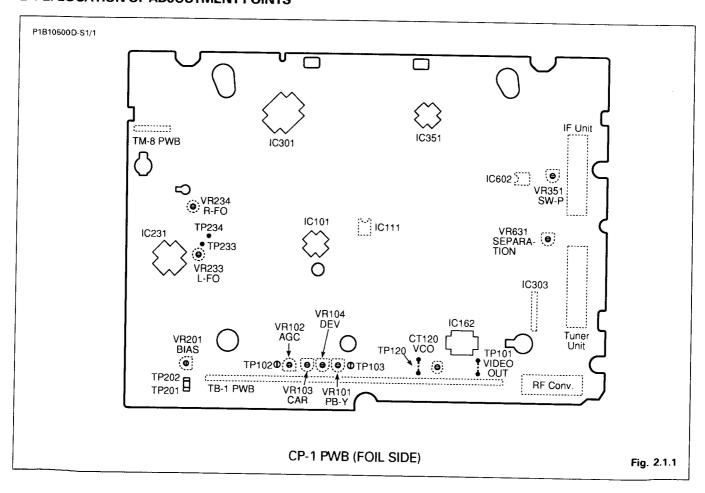
2-1. SERVO CIRCUIT ADJUSTMENT

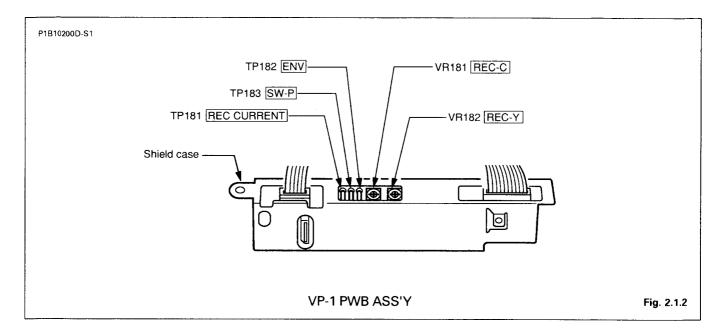
- These adjustments should be carried out upon completion of the tape transport adjustments.
- If the tape transport adjustments (except the tilt adjustment) are carried out after these adjustments, follow the procedures again in Section 2-1-3. SWITCHING POSITION ADJ.
- When a cassette tape is loaded, auto-tracking will be set immediately after starting the first playback. As this will deviate the tracking center set, be sure to press the channel buttons (△) or (▽) once directly after starting playback to prevent auto-tracking from being set.

2-1-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Oscilloscope	Vertical sensitivity: 5 mV/DIV, external trigger Band width: more than 10 MHz	
Test Tape	VHJ-0009 or VHJ-0023: SP mode, monoscope, 6 KHz	
Blank Tape	VHS-type cassette tape	
Monitor TV		

2-1-2. LOCATION OF ADJUSTMENT POINTS





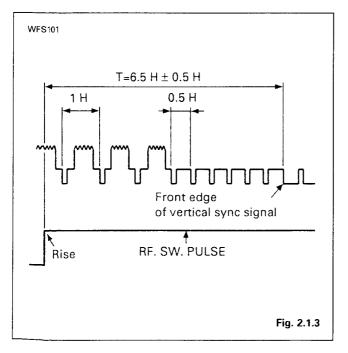
NOTE:

• Self-recording means "Record any broadcasting or video signal and play back the just-recorded portion".

2-1-3. SWITCHING POSITION ADJ.

Measuring Point	Measuring Equipment		ADJ. Condition
TP101 (VIDEO OUT) TP183 (SW-P)	Oscilloscope		PLAY(SP)mode Test tape (VHJ-0009 or VHJ-0023)
ADJ. Locat	tion	Αſ	OJ. Value
VR351 (SW-P)		6.5 H ± 0.5	5 H

- Setthe tracking control position to the center by pressing CHANNEL buttons (△) and (▽) simultaneously. (Tracking center position display in the indicator panel "T -:- ")
- 2. Adjust VR351 (SW-P) so that the width "T" becomes $6.5 \, \text{H} \pm 0.5 \, \text{H}$ as shown in Fig. 2.1.3.



2-1-4. STILL V-LOCK ADJ.

Measuring Point	Measuring	Equipment	ADJ. Condition
Picture of monitor TV	Color bar generator or Broadcasting Monitor		Self-recording (SP mode) STILL mode Blank tape Self-recording (LP mode)
			STILL mode Blank tape
ADJ. Locat	tion AD.		J. Value
CHANNEL (\triangle) button CHANNEL (∇) button		The minir	mum vertical

- 1. Play back the just-recorded portion and then set the VCR in the STILL mode.
- 2. Press the CHANNEL (\triangle) button or the CHANNEL (∇) button so that any vertical shake of the picture is brought to its minimum.

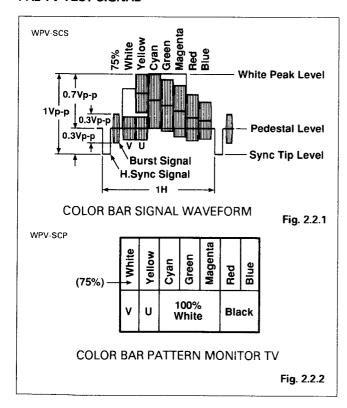
2-2. VIDEO CIRCUIT ADJUSTMENT

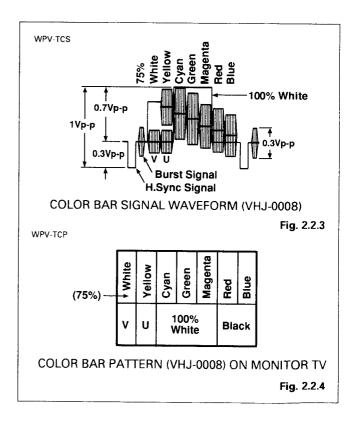
- Before making the following adjustments, Section 2-1. SERVO CIRCUIT ADJUSTMENT should be completed.
- · Use the relay jig to provide simple adjustment of the VP-1 PWB Ass'y.

2-2-1. TEST EQUIPMENT AND STANDARDS REQUIRED

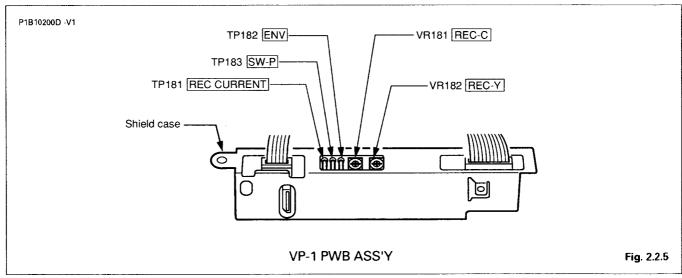
Color Bar Signal Generator	PAL Color bar signel with 100% white level (EBU color bar signel) (Signal waveform is described below. Refer to Fig. 2.2.1)
Oscilloscope	Vertical sensitivity: 5 mV/DIV, external trigger Band width: more than 10 MHz
Digital Voltmeter	DC range
Test Tape	VHJ-0008 or VHJ-0023: SP mode, color bar, 1 kHz (Color bar signal waveform is described below. Refer to Fig. 2.2.3)
Blank Tape	VHS-type cassette tape
Oscilloscope Probe	Input capacity: less than 25 pF (10:1) less than 40 pF (1:1)
	Covering frequency: DC ~ 40 MHz (10:1) DC ~ 30 MHz (1:1)
Frequency Counter	8 significant digits
Adjustment Relay Jig	VHJ-0067: 12-wire flat cable for VP-1 PWB Ass'y

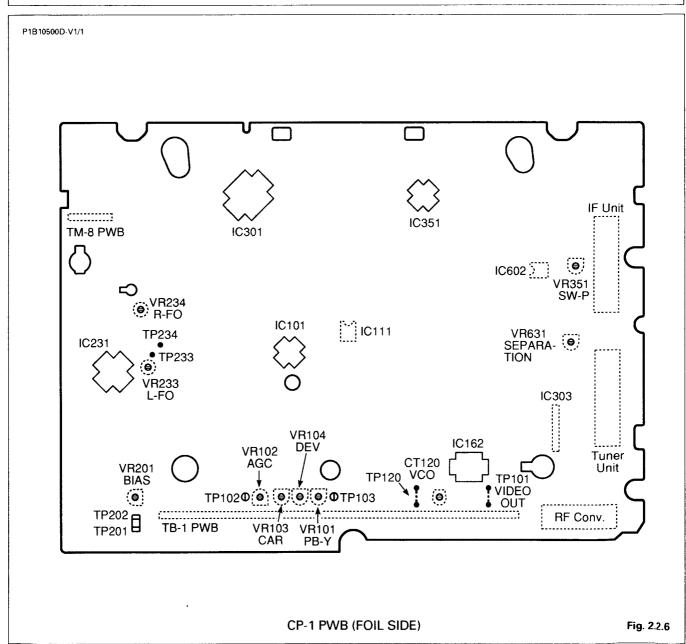
PAL TV TEST SIGNAL





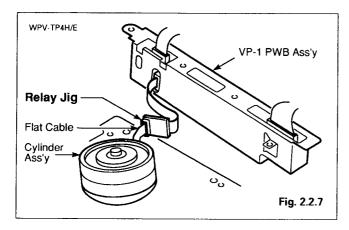
2-2-2. LOCATION OF ADJUSTMENT POINTS





2-2-3. ADJUSTMENT RELAY JIG

Connect the Flat cable end from the Cylinder Ass'y to the VP-1 PWB Ass'y using the Relay jig to provide simple repairing and adjustment of the VP-1 PWB Ass'y, as shown in Fig. 2.2.7. Further, when adjusting the VP-1 PWB Ass'y, be sure to make contact an end of Shield case with Bracket of the VP-1 PWB Ass'y to maintain the shield effect. If the VP-1 PWB Ass'y does not contact, there is insufficient ground and no proper play back image can be obtained.



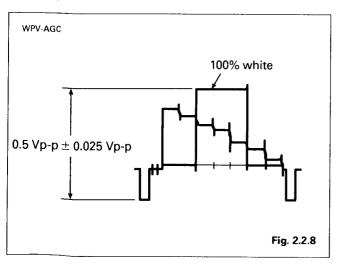
NOTES:

- Self-recording means "Record the video signal and play back the just-recorded portion".
- Connect the monitor TV to the VIDEO OUTPUT terminal (EURO-AV1 terminal pin 19), before making following adjustments.
- ASO HIGH button to the OFF position.

2-2-4. AGC LEVEL ADJ.

Measuring Point	Measuring	, Equipment	ADJ. Condition
TP102	Color bar generator Oscilloscope (10:1 probe)		E-E mode
ADJ. Locat	tion	AD	J. Value
VR102 (AGC)		0.5 Vp-p ±	0.025 Vp-p

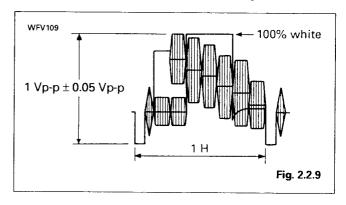
- Connect the color bar generator to the VIDEO INPUT terminal (EURO-AV1 pin20).
- Adjust VR102 (AGC) for 0.5 Vp-p ± 0.025 Vp-p as shown in Fig. 2.2.8.



2-2-5. PB-Y LEVEL ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition	
TP101	Oscilloscope	PLAY(SP)mode Test tape (VHJ-0008 or VHJ-0023)	
ADJ. Loca	tion AD	J. Value	
VR101 (PB-Y)	1 Vp-p ± 0.	1 Vp-p ± 0.05 Vp-p	

- 1. Play back a test tape in SP mode.
- 2. Adjust VR101 (PB-Y) for the video luminance signal level of 1 Vp-p \pm 0.05 Vp-p. (Refer to Fig. 2.2.9)



2-2-6. CARRIER SET ADJ.

Measuring Point	Measuring Equipment		ADJ. Condition
TP103	Color bar generator Frequency counter		REC (SP) mode
ADJ. Loca	tion	AD	J. Value
VR103 (CAR)		3.83 MHz	± 0.05 MHz

- 1. Connect the color bar generator to the VIDEO INPUT terminal (EURO-AV1 pin 20).
- After removing the first color bar signal input from the video input terminal, immediately adjust VR103 (CAR) so that the frequency becomes 3.83 MHz ± 0.05 MHz.

2-2-7. VCO (on screen assist) ADJ.

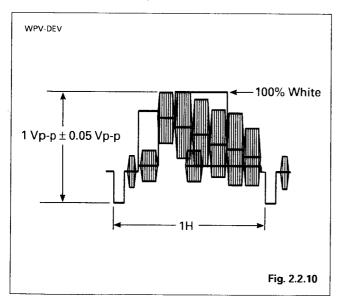
Measuring Point	Measurii	ng Equipment	ADJ. Condition
TP120	Color bar generator Digital voltmeter		E-E mode
ADJ. Loca	tion	AD	J. Value
CT120 (VCO)		2.5 Vp-p ± 0.3 Vp-p	

- Connect the digital voltmeter (DC range) to TP120 and GND.
- 2. Adjust CT120 (VCO) so that the voltage is $2.5 \text{ V} \pm 0.3 \text{ V}$.

2-2-8. DEVIATION ADJ.

Measuring Point	Measuring Equipment Color bar generator Oscilloscope		ADJ. Condition
TP101			Self-recording (SP) mode Blank tape
ADJ. Location		AD	J. Value
VR104 (DEV)	1 Vp-p ± 0		.05 Vp-p

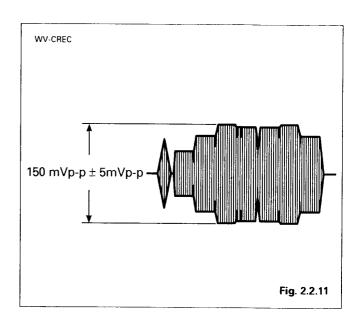
- 1. Record the color bar signal on the blank tape.
- 2. Play back of the just-recorded portion.
- 3. Adjust VR104 (DEV) for 1 Vp-p \pm 0.05 Vp-p as shown in Fig. 2.2.10.
- 4. If the adjustment value is not satisfactory, adjust VR104 (DEV) and repeat steps 2 to 3.



2-2-9. C REC CURRENT ADJ.

Measuring Point	Measuring Equipment		ADJ. Condition
TP181 (on VP-1 PWB)	Color bar generator Oscilloscope (1:1 probe)		REC (SP) mode Blank tape
ADJ. Location		AD	J. Value
VR181 (REC-C)		150 mVp-p ± 5 mVp-p	

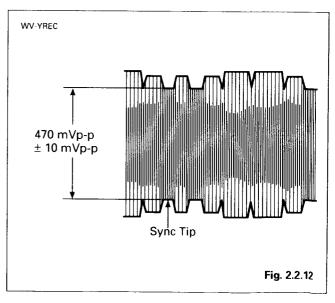
- Connect the ground of the oscilloscope to the shield case of the VP-1 PWB Ass'y.
- 2. Adjust VR182 (REC-Y) for the minimum video luminance signal level.
- Adjust VR181 (REC-C) so that the video chrominance signal level is 150 mVp-p±5 mVp-p. (Refer to Fig. 2.2.11)



2-2-10. Y REC CURRENT ADJ.

Measuring Point	Measuring	ADJ. Condition	
TP181 (on VP-1 PWB)	Color bar generator Oscilloscope (1:1 probe)		REC(SP)mode Blank tape
ADJ. Location		ADJ. Value	
VR182 (REC-Y)		470 mVp-p ± 10 mVp-p	

- 1. Connect the ground of the oscilloscope to the shield case of the VP-1 PWB Ass'y.
- 2. Adjust VR182 (REC-Y) so that the video luminance signal level at the sync tip is $470\,mVp$ -p $\pm\,10\,mVp$ -p. (Refer to Fig. 2.2.12)



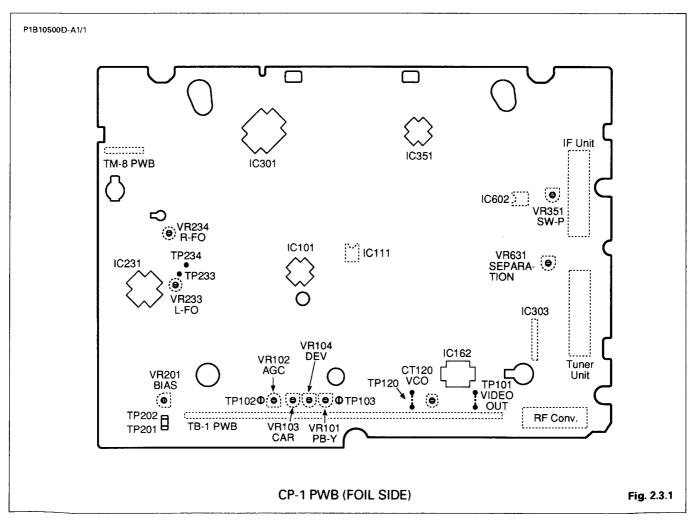
2-3. AUDIO FM (Hi-Fi)/ NORMAL CIRCUIT ADJUSTMENT

- Before making these adjustments, (especially, the tape guide height and audio control erase head height adjustments) should be carried out, so that the tape traveling between the loading guide pole and the audio control erase head runs without fluttering, twisting, curling.
- Before making these adjustments, Section 2-1. SERVO and Section 2-2. VIDEO circuit adjustments should be carried out.

2-3-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Standard Audio Signal Generator (SG)	Output frequency : 10 Hz \sim 100 kHz Output level : more than 1 Vrms Output impedance : 600 Ω Distortion ratio : less than 0.1% Output in use SG : Frequency:		
Color Bar Signal Generator	Color bar signel with 100% white level. (Signal waveform is described before. Refer to Fig. 2.2.1)		
Oscilloscope	Vertical sensitivity : 10 mV/DIV Band width : more than 30 MHz		
AC Voltmeter	Effective value indication Input frequency : 10 Hz \sim 20 kHz Input Impedance : more than 1 M Ω Measurement level : 1mV (full scale)		
Frequency Counter	Input frequency : 20 Hz ~ 10 MHz		
Blank Tape	VHS-type cassette tape		

2-3-2. LOCATION OF ADJUSTMENT POINTS



AUDIO NORMAL CIRCUIT

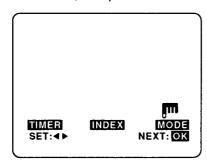
NOTES:

 Set the following switch or On-screen menu to the positions indicated below, before making following adjustments.

SWITCH or ON-SCREEN MENU	POSITION
TAPE SPEED	SP
O/AV	AV
AV (VCR 3784 HIFI UK/VP only)	AV1
AUDIO	MONO

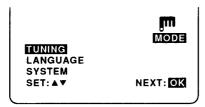
To select AV and AUDIO mode

- Press the MENU/TV button on the remote control, The MAIN MENU appears.
 - "MODE" is selected, then press the OK button.



2. MODE SETTING menu will appear.

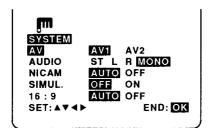
"SYSTEM" is selected, then press the OK button.



RECORDING AND PLAYBACK SYSTEM SETTING menu will appear.

"AV": "AV1" and "AUDIO": "MONO" are selected, press the OK button.

"AV" mode is installed on VCR 3784 HIFI UK/VP only, and "NICAM" on VCR 3784 HIFI UK/VP, VCR 3784 HIFI N/SV only.



 Self- recording means "Record the AUDIO signal and play back the just-recorded portion.

2-3-3. BIAS LEVEL ADJ.

[A]

Measuring Point	Measuring Equipment		ADJ. Condition
TP201 (HOT) TP202 (GND)	Oscilloscope AC voltmeter Frequency counter		REC (SP)mode Blank tape
ADJ. Location		ADJ. Value	
VR201 (BIAS)		24 mVrms	

- 1. Load the VCR with a blank tape and select the SP record mode without all incoming signal.
- After confirming on the oscilloscope that a 70 kHz sine wave is being output, adjust VR201 (BIAS) so that the AC voltmeter's reading is 24 mVrms.

[B]

			I
Measuring Point	Measuring	ADJ. Condition	
AUDIO OUTPUT terminal (EURO-AV pin3: Lch)	Oscilloscope AC voltmeter Standard audio signal generator (SG: signal -33.8 dBs, 400 Hz -33.8 dBs, 10 kHz)		Self-recording (SP mode Blank tape)
ADJ. Location		ADJ	. Value
VR201 (BIAS)		-4 dB ~ +4 dB between 400 kHz and 10 kHz	

- Connect the standard audio signal generator to the AUDIO INPUT terminal (EURO-AV1 pin6: Lch).
- 2. Set the standard audio signal generator's output level to -33.8 dBs.
- Set the standard audio signal generator's frequency to 400 Hz and then 10 kHz. Record each of these frequency signals.
- 4. Play back each of the just-recorded portion.
- 5. Confirm that the 10 kHz level on AC voltmeter's reading is **from -4 dB to +4 dB**, compared with 400 Hz level.
- If the 10 kHz level is less than -4 dB below 400 Hz level or more than +4 dB above 400 Hz level, Rotate VR201 (BIAS) slightly to adjust it.
- 7. Repeat steps 3 through 6 if necessary.

AUDIO FM (Hi-Fi) CIRCUIT NOTES:

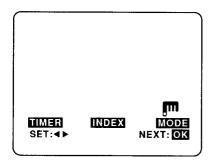
- Before making these adjustments, check that the surface of the parts touching the tape such as the A-FM head or guides are clean.
- Set the following switch or On-screen menu to the positions indicated below, before making following adjustments.

SWITCH or ON-SCREEN MENU	POSITION
TAPE SPEED	SP
O/AV	AV
AV (VCR3784 HIFI UK/VP only)	AV1
AUDIO	ST

To select AV and AUDIO mode

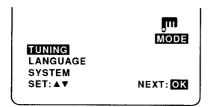
 Press the MENU/TV button on the remote control, The MAIN MENU appears.

"MODE" is selected, then press the OK button.



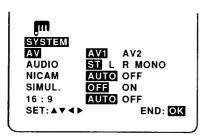
2. MODE SETTING menu will appear.

"SYSTEM" is selected, then press the OK button.



3. RECORDING AND PLAYBACK SYSTEM SETTING menu will appear.

"AV": "AV1", "AUDIO": "ST" are selected, press the OK button. "AV" mode is installed on VCR 3784 HIFI UK/VP only, and "NICAM" on VCR 3784 HIFI UK/VP, VCR 3784 HIFI N/SV only.



2-3-6. A-FM CARRIER FREQUENCY ADJ.

Measuring Point			ADJ. Condition REC (SP)mode Blank tape	
TP233 (1.4 MHz) TP234 (1.8 MHz)				
ADJ. Location		ADJ. Value		
VR233 (L-FO)		1.4 MHz +4/-6 kHz		
VR234 (R-FO)		1.8 MHz +4/–6 kHz		

- Connect a frequency counter to TP233 (Lch), TP234 (Rch) and ground.
- 2. Adjust VR233 (L-FO) so that in the zero level signal status the frequency at TP233 becomes 1.4 MHz +4/-6 kHz.
- Adjust VR234 (R-FO) so that in the zero level signal status
 - the frequency at TP234 becomes 1.8 MHz +4/-6 kHz.

2-4. TUNER AND IF CIRCUITS ADJUSTMENT

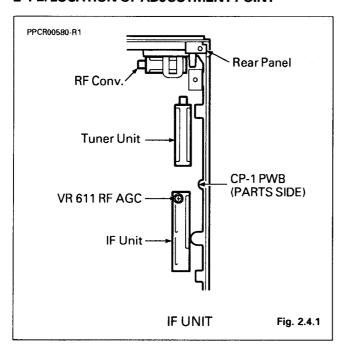
- When any malfunction occurs in the TUNER circuit the whole unit must be replaced.
- An adjustment of the IF circuit is shown as follows.

NOTE: The TUNER unit does not need any adjustments, because precise adjustments have been done before shipment.

2-4-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Monitor TV

2-4-2. LOCATION OF ADJUSTMENT POINT



2-4-3. RF AGC ADJ.

Measuring Point	Measuring Equipment		ADJ. Condition	
Picture of monitor TV	Monitor TV	1	E-E mode	
ADJ. Location		AD	J. Value	
VR611 (RF AGC) (on the IF circuit)		S/N is best point		

- Connect the monitor TV to ANTENNA OUTPUT terminal.
- 2. Connect the VHF or UHF antenna to ANTENNA INPUT terminal.
- 3. Receive the middle electrical field (70 dB μ ~ 90 dB μ) of the VHF high or UHF channel, and slowly turn VR611(RF AGC) from the point where snow-noise is present to the point where it just disappears from the monitor TV.
- 4. Confirm by monitor TV that there is no beat and saturation (S/N is best point) when receiving any TV channel.

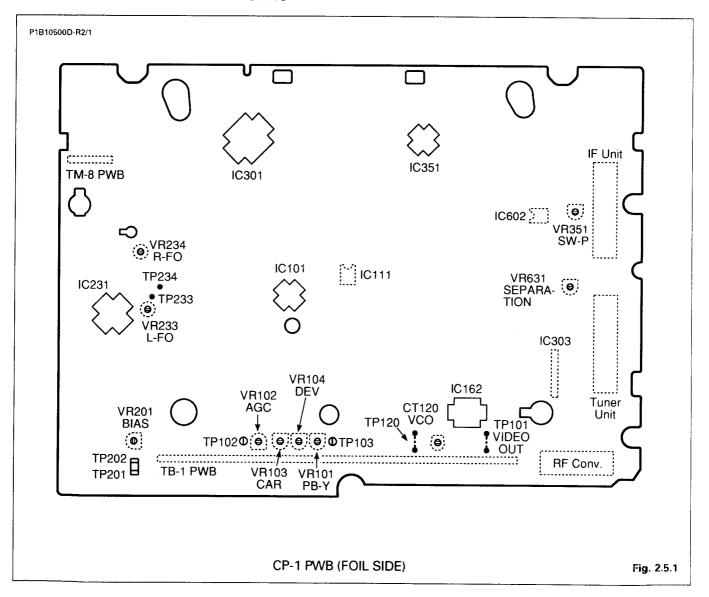
2-5. MTS DECODER CIRCUIT ADJUSTMENT

- If adjusting the MTS Decoder circuit, special equipment shown in section 2-5-1. is necessary.
- Improper adjustment will cause loss of performance of Stereo Sound and Bilingual Sound detection.
- Prior to making these adjustments, the other adjustments except the MTS Decoder should be completed.

2-5-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Audio Multiplex TV signal Generator	
Oscilloscope	
AC Voltmeter	
Band Path Filter	200 Hz ~ 15 kHz

2-5-2. LOCATION OF ADJUSTMENT POINTS



AUDIO FM (Hi-Fi) CIRCUIT NOTE:

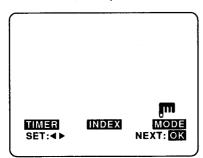
 Set the following switch or On-screen menu to the positions indicated below, before making following adjustments.

SWITCH or ON-SCREEN MENU	POSITION
TAPE SPEED	SP
O/AV	AV
AV (VCR 3784 HIFI UK/VP only)	AV1
AUDIO	ST

To select AV and AUDIO mode

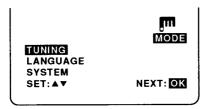
 Press the MENU/TV button on the remote control, The MAIN MENU appears.

"MODE" is selected, then press the OK button.



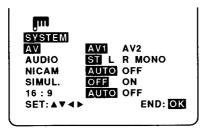
2. MODE SETTING menu will appear.

"SYSTEM" is selected, then press the OK button.



3. RECORDING AND PLAYBACK SYSTEM SETTING menu will appear.

"AV": "AV1", "AUDIO": "ST" are selected, press the OK button. "AV" mode is installed on VCR 3784 HIFI UK/VP only, and "NICAM" on VCR 3784 HIFI UK/VP, VCR 3784 HIFI N/SV only.



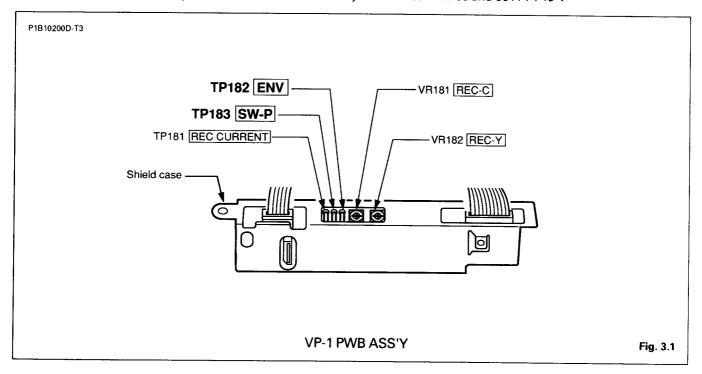
2-5-3. SEPARATION ADJ.

Measuring Point	Measuring Equipment		ADJ. Condition
AUDIO OUTPUT Terminal EURO AV1 pin3 (Lch)	Audio Multiplex TV signal generator Oscilloscope Band path filter (200 Hz ~ 15 kHz)		E-E mode
ADJ. Location		Al	OJ. Value
VR631 (SEPARATION)		inimum	level

- 1. Input the output signal of the Audio Multiplex TV signal generator into the VCR ANT input terminal.
- 2. Connect the oscilloscope to the AUDIO OUTPUT terminal EURO AV1 pin3 (Lch) of the VCR via the BPF.
- Set the Audio Multiplex TV signal generator as follows.
 Audio signal Rch: 1kHz 100% modulation.
 Audio signal Lch: Unmodulation.
- Adjust VR631 (SEPARATION) so that the output of the AUDIO OUTPUT terminal (Lch) is brought to its minimum level.

3. TEST POINT FOR TAPE PATH ADJUSTMENT

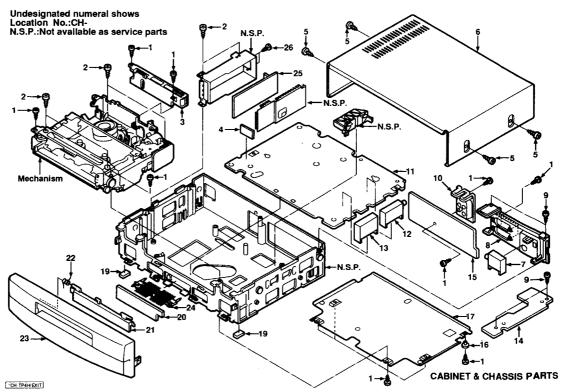
Test point TP182 (ENV) and TP183 (SW-P) for tape path adjustment is shown in Figure below. For adjustment, refer to the separate volume "Mechanical adjustments 6611 77 06 and 6611 74 46".



4. PARTS LIST

ACCESSORIES

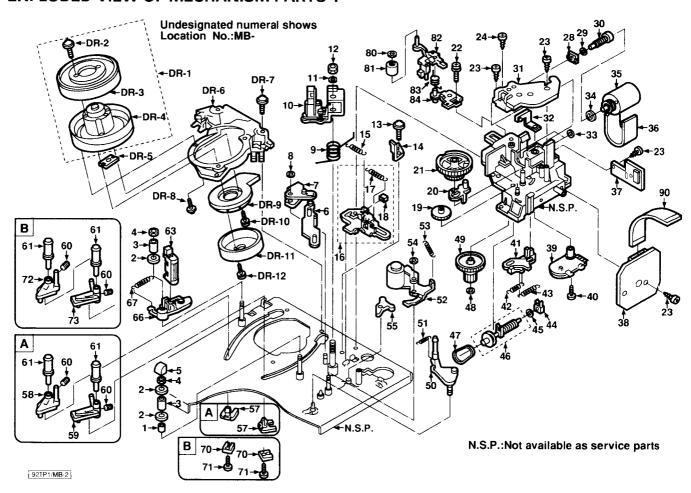
LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
	5652 2299	REMOCON,RC384(WITH COVER BATTERY)	CH-6	6135 5178	COMPL,COVER TOP(VCR 3784UKWP ONLY)
		(EXCEPT VCR 3784 UK/VP)	OR	6135 5175	COVER TOP(EXCEPT VCR 3784UK/VP)
OR	5652 2310	REMOCON, RC584(WITH COVER BATTERY)	CH-7	5826 0553	MODULATOR, RF(VCR 3784UK/VP ONLY)
		(VCR 3784 UKWP ONLY)	OR	5826 0552	MODULATOR, RF(VCR 3784UK/VP ONLY)
	6134 5345	COVER BATTERY (FOR REMOCON)	OR	5826 0551	MODULATOR, RF(EXCEPT VCR 3784UK/VP)
	6612 5932	INSTRUCTION MANUAL	OR	5826 0554	MODULATOR, RF(EXCEPT VCR 3784UKVP)
		(VCR 3784UK/VP ONLY)	CH-8	8681 5266	TERMINAL(VCR 3784UK/VP ONLY)
OR	6612 5931	INSTRUCTION MANUAL	OR	8681 5268	TERMINAL(EXCEPT VCR 3784UKVP)
		(VCR 3784N/SV ONLY)	CH-9		SCR S-TPG BIN 3X10
OR	6612 5930	INSTRUCTION MANUAL	CH-10	8681 5267	TERMINAL RCA
		(VCR 3784VPS/SV ONLY)	CH-11	6913 6677	COMPL PWB,CP-1-A
	4131 4286	CABLE, ANT (EXCEPT VCR 3784VPS/SV)			(VCR 3784UK/VP ONLY)
OR	4131 4221	CABLE, ANT (VCR 3784N/SV ONLY)	OR	6913 6643	COMPL PWB.CP-1-A(VCR 3784N/SV ONLY)
OR	4131 4198	CABLE, ANT (VCR 3784VPS/SV ONLY)	OR	6913 6646	COMPL PWB.CP-1-A
OR		CABLE, ANT (VCR 3784VPS/SV ONLY)			(VCR 3784VPS/SV ONLY)
OR		CORD(EXCEPT VCR 3784VPS/SV)	CH-12	5823 0509	TUNER,U(VCR 3784UK/VP ONLY)
OR	4131 4203	CORD(VCR 3784N/SV ONLY)	OR	5823 0777	TUNER PACK(VCR 3784N/SV ONLY)
\triangle	4131 4287	CORD, POWER(VCR 3784UK/VP ONLY)	OR	5823 0505	TUNER PACK(VCR 3784VPS/SV ONLY)
OR ⚠		CORD, POWER(VCR 3784UK/VP ONLY)	CH-13	5825 8833	TUNER, IF(VCR 3784N/SV ONLY)
OR 🛆	4131 8829	CORD, POWER (EXCEPT VCR 3784UK/VP)	OR	5823 0510	TUNER, IF (VCR 3784UK/VP ONLY)
OR ⚠		CORD, POWER (EXCEPT VCR 3784UK/VP)	OR	5823 0602	TUNER, IF(VCR 3784VPS/SV ONLY)
OR <u>∧</u>		CORD, POWER (EXCEPT VCR 3784UK/VP)	CH-14	6913 6676	COMPL PWB,TN-5(VCR 3784UK/VP ONLY)
OR 🛆		CORD, POWER (EXCEPT VCR 3784UK/VP)	OR	6913 6642	COMPL PWB,TN-5(VCR 3784N/SV ONLY)
			CH-15	6913 6647	COMPL PWB,TB-1(VCR 3784UKWP ONLY)
PACKII	NG MAT	ERIALS	OR	6913 6640	COMPL PWB,TB-1(VCR 3784N/SV ONLY)
LOCATION	PARTS NO.	DESCRIPTION	OR	6913 6645	COMPL PWB,TB-1(VCR 3784VPS/SV ONLY)
			CH-16	4144 8390	BUSH(F)(VCR3784N/SV ONLY)
	6162 8880	CARTON CASE(VCR 3784UK/VP ONLY)	OR		BUSH(F)UL(VCR3784N/SV ONLY)
OR	6162 8865	CARTON CASE(VCR 3784N/SV ONLY)	CH-17	6135 5174	COVER BOTTOM
OR	6162 8866	CARTON CASE(VCR 3784VPS/SV ONLY)	CH-19	6273 4052	STAND, FELT, FRONT
	6172 3094	CUSHION, FRONT (VCR 3784UK/VP ONLY)	CH-20	6913 6638	COMPL PWB,TM-1
OR	6172 3091	CUSHION, FRONT (EXCEPT VCR 3784UK/VP)	CH-21	6134 5342	DOOR CASSETTE
	6172 3095	CUSHION, BACK(VCR 3784UK/VP ONLY)			(EXCEPT VCR 3784VPS/\$V)
OR	6172 3092	CUSHION, BACK(EXCEPT VCR 3784UK/VP)	OR	6134 5343	DOOR CASSETTE(VCR 3784VPS/SV ONLY)
		POLYE COVER,INNER-K	CH-22	7358 4829	SPRING
CADINI	TT O. OU	ACCIC DARTO	CH-23	6418 3426	ASSY,CABINET FRONT
CADIN	EI & CH	ASSIS PARTS			(VCR 3784UK/VP ONLY)
LOCATION	PARTS NO.	DESCRIPTION	OR	6418 3415	ASSY,CABINET FRONT
					(EXCEPT VCR 3784UK/VP)
CH-1		SCR L-TPG BIN 3X10	CH-24	4131 4291	PLUG,26P
CH-2		SCR S-TPG BIN 4X12	CH-25	6913 6674	COMPL PWB,PW-1(VCR 3784UK/VP ONLY)
CH-3	6913 6639	COMPL PWB,VP-1	OR	6913 6641	·COMPL PWB,PW-1 (VCR 3784N/SV ONLY)
CH-4	6913 0957	COMPL PCB,TM-8(VCR 3784VPS/SV ONLY)	OR	6913 6644	COMPL PWB,PW-1(VCR 3784VPS/SV ONLY)
CH-5		SPECIAL SCREW	CH-26		SCR S-TPG BIN 3X8



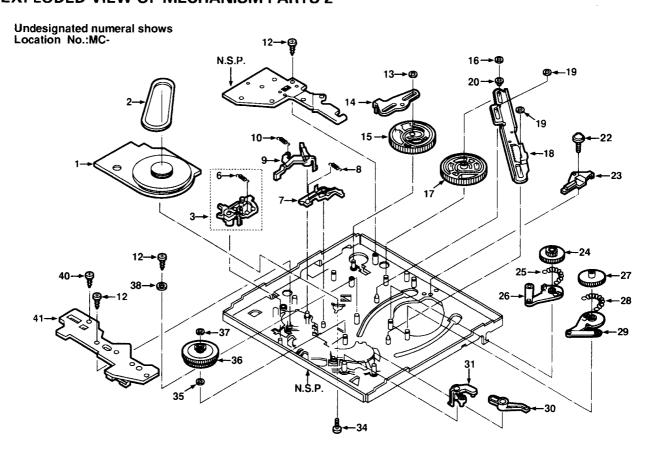
MECHANISM PARTS

MECH	ANISM P	ARTS				DB003500
LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION	MB0018ZZ
MECHANI	SM PARTS 1		MB-49	7525 1191	GEAR, HELICAL	
***************************************	OM AMO		MB-50	8681 4628	ASSY,LEVER,REV GUIDE	
DR-1	4335 9371	COMPL,CYLINDER,4H6P-R	MB-51	7358 4356	SPRING, REVIEW LEVER	
DR-2	4000 0071	SCR PAN+W 3X8	MB-52	7538 3373	COMPL, PINCH ROLLER	
DR-3	4335 9372	ASSY,CYLINDER,UPR 4H6P-R	MB-53	7358 4830	SPRING, PINCH ROLLER	
DR-4	4335 9370	ASSY, CYLINDER, LWR 6K	MB-54	6158 2015	WASHER Y 3.6X6X0.5	
DR-5			MB-55	8681 4128	COMPL, LEVER, ACT BRAKE	
DR-6			W.5 00	20	5 5 7 7 E 7 E 7 E 7 E 7 E 7 E 7 E 7 E 7	
DR-7	0001 4000	•	Note:			
DR-8				the figure, the i	parts supporting the "ASSY, GUIDE.	BOLLER" of
DR-9	4335 9337				n two types-group A and group B. (Lo	
OR					e part of group A can be replaced by	
DR-10		•			group B can be replaced as a whol	
OR			interchange	-	3	
DR-11	4335 9317		······································			NOTE-M1
DR-12	,000 00 17	-	MB-57	8318 6040	PLATE,BGR	
0.1.12		00117111110111210710	MB-58	8681 5264	ASSY, MOUNTING, ROLLER S	
MR-1	8318 5862	SLEEVE	MB-59	8681 5265	ASSY, MOUNTING, ROLLER T	
			MB-60	6158 2020	SCR SET HEX-SCT 2X3	
		*	MB-61	8681 4132	ASSY,GUIDE,ROLLER	
	DR-5 8318 5783 SPACER, MOTOR 0.3T DR-6 8681 4885 BASE, CYLINDER DR-7 SCR PAN+FLG 3.26 DR-8 SCR PAN+FLG 2.6X8 DR-9 4335 9337 STATOR, MOTOR CYL DR-10 SCR PAN+SW 2.3X10 DR-11 A335 9317 ROTOR, MOTOR CYL DR-12 SCR PAN+SW 2.3X8 DR-11 4335 9317 ROTOR, MOTOR CYL DR-12 SCR PAN+SW 2.3X8 MB-1 8318 5862 SLEEVE MB-1 8318 5863 TAPE GUIDE MB-2 7726 0622 SPECIAL WASHER MB-3 8318 5863 TAPE GUIDE MB-4 NUT HEX (3) CAP MB-5 8681 4112 ASSY, SLIDE, ACT PINCH MB-6 8681 4112 ASSY, SLIDE, ACT PINCH MB-7 8681 4113 ASSY, SLIDE, ACT PINCH MB-8 6158 2016 WASHER Y 3.1X8X0.5 MB-10 8318 5407 COMPL, BRACKET, HEAD MB-11 7726 0653 SLEEVE, ACE HEAD MB-13	MB-63	4335 9466	HEAD, ERASE FULL		
		MB-66	8318 6041	LEVER, FE HEAD		
			MB-67	7358 4357	SPRING, ERASE HEAD	
			MB-70	8318 5338	PLATE, GUIDE	
			MB-71	6158 2022	SCR BIN 2.6X5	
			MB-72	8681 4130	ASSY,BASE,ROLLER S	
		·	MB-73	8681 4131	ASSY,BASE,ROLLER T	
			MB-80	6158 2018	WASHER Y 2.6X6X0.5	
			MB-81	7538 3425	ASSY,ROLLER,CLEANER	
	7711 0170	• •	MB-82	8318 6013	ASSY,LEVER,CLEANER	
	0601 4017		MB-83	7358 4714	SPRING	
			MB-84	8681 5245	BRACKET,CLEANER	
		•				
			MB-90	4131 4290	FLEXIBLE FLAT CABLE	
			MECHANI	SM PARTS 2	CP-1 MC-2	
			MECHAIN	SIVI PAN 13 Z		
			MC-1	1122 0200	MOTOR CARSTANING 2NA	
			MC-2	4432 9389 7618 4268	MOTOR,CAPSTAN DC 3W BELT,REEL DRIVE	
	7525 1347		MC-3	8681 4971	COMPL,LEVER,CLUTCH	
			MC-6	7358 4359	SPRING, LEVER CLUTCH	
			MC-7	8681 4136	LEVER, CHANGE CLUTCH	
			MC-8	7358 4360	SPRING, CHANGE CLUTCH	
	8681 /1127		MC-9	8681 4167	ASSY, BRAKE, CAPSTAN	
	0001 4127		MC-10	7358 4453	SPRING, CAPSTAN	
	7525 1105		MC-12	7000 4400	SCR S-TPG BIN 2.6X8	
			MC-13	6158 2016	WASHER Y 3.1X8X0.5	
			MC-14	8681 5263	SLIDE,CAM PLATE	
			MC-15	7525 1196	CAM, MODE	
			MC-16	6158 2017	WASHER Y 3.1X6X0.5	
			MC-17	7525 1350	CAM, MAIN	
		•	MC-17	8681 4976	ASSY,RACK,LOAD	
			MC-19			
				6158 2018	WASHER Y 2.6X6X0.5	
		• •	MC-20	7726 0654	SPACER, RACK LOAD	
	4112 9806		MC-22	7050 4005	SCR PAN+FLG 3X4	
			MC-23	7358 4365	ASSY,EARTH,CYL	
MB-41	8681 4385	ASSY,SLIDE,FRONT	MC-24	7525 1351	GEAR, LOAD TAKE UP	
MB-42	7358 4457	SPRING, LEVER LOAD	MC-25	7358 4361	SPRING, GEAR LOAD T	
MB-43	7358 4458	SPRING, LEVER ACT	MC-26	8681 4141	ASSY, LEVER, LOAD T	
MB-44	8681 4386	HOLDER,WORM	MC-27	7525 1199	GEAR, LOAD S	
OR MB 45	8681 4977	HOLDER, WORM	MC-28	7358 4362	SPRING, GEAR LOAD S	
MB-45	7505 4021	WASHER 2.1X6X0.5	MC-29	8681 4142	ASSY, LEVER, LOAD S	
MB-46	7525 1264	ASSY,WORM,LOAD	MC-30	8681 4143	LEVER, RETURN TENSION	
MB-47	7618 4267	BELT, LOADING	MC-31	8681 4387	ASSY, LEVER CONTROL	
MB-48		WASHER SLIT 2.6X5X0.50	MC-34	7700 0004	SCR S-TPG PAN 2.6X6	
			MC-35	7726 0621	SPECIAL WASHER 3.1X6X0.25	
			MC-36	7525 1396	ASSY, GEAR, FRICTION	
			MC-37		SPECIAL WASHER 2.4X6X0.25	
			MC-38		WASHER Z 2.6X10X0.5	
			MC-40 MC-41	6012 1122	SCR S-TPG BIN 2.6X5 COMPL,MC-1	
			IVIC-4	6913 1133	COIVIF L,IVIC-1	

EXPLODED VIEW OF MECHANISM PARTS 1



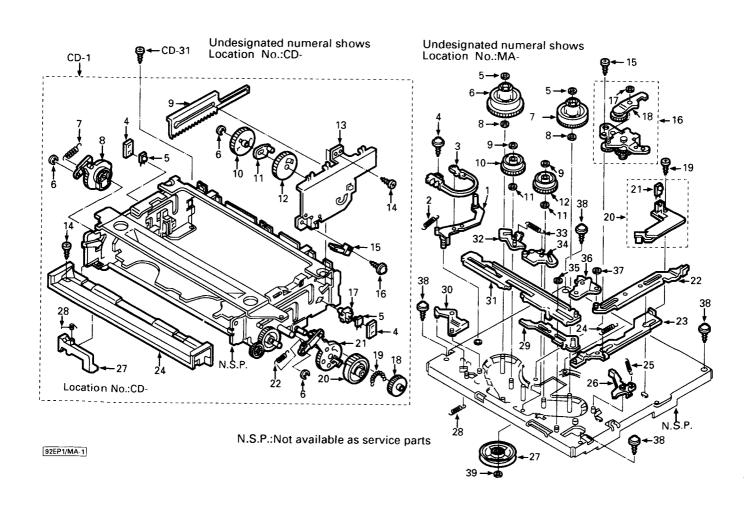
EXPLODED VIEW OF MECHANISM PARTS 2



N.S.P.:Not available as service parts

CB602700
MB0018ZZ

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION	CB602 MB001
MECHANIS	SM PARTS 3		MA-8	7726 0615	SPECIAL WASHER 3.1X6X0.3	
			OR	7726 0594	SPECIAL WASHER 3.1X6X0.4	
CD-1	8318 6017	COMPL,CASSETTE MECHA	OR	7726 0585	SPECIAL WASHER 3.1X6X0.5	
CD-4	8681 4250	LID	MA-9	6158 2019	WASHER Y 2.1X5X0.25	
CD-5	3656 3089	PHOTO COUPLE PN150SAN	OR		WASHER Y 2.1X6X0.25	
CD-6		RING E 2.3	MA-10	7525 1348	GEAR, REEL SUPPLY	
CD-7	7358 4341	SPRING, LINK L	OR	7525 1398	GEAR, REEL SUPPLY	
CD-8	7525 1181	ASSY,GEAR,LEVER L	MA-11	7726 0618	SPECIAL WASHER 2.6X6X0.25	
CD-9	8318 5316	RACK	MA-12	7525 1349	GEAR, REEL TAKE UP	
CD-10	7525 1399	GEAR,LOCK	OR	7525 1397	GEAR, REEL TAKE UP	
CD-11	8318 5317	ASSY, LEVER, PINION	MA-15		SPECIAL SCREW 2.6X4	
CD-12	7525 1183	GEAR, PINION	MA-16	7548 4261	COMPL,IDLER,CLUTCH	
CD-13	8681 4097	ASSY, BRACKET, GEAR	MA-17		WASHER Y 2.1X4X0.25	
CD-14		SCR S-TPG BIN 2.6X4	MA-18	7548 4260	ASSY.IDLER	
CD-15	4112 7484	SW,SPECIAL	MA-19		SCR S-TPG BIN 2.6X8	
CD-16		SCR PAN+SW+W 2X9	MA-20	6913 1130	COMPL PCB,MC-4	
CD-17	8681 4816	HOLDER,TRANSISTOR	MA-21	3681 1690	LED LN59	
CD-18	7525 1184	GEAR, IDLER	MA-22	8681 4121	ASSY,SLIDE,ACT PLATE	
CD-19	7358 4363	SPRING, GEAR MAIN	MA-23	8681 5262	SLIDE,C BRAKE	
CD-20	7525 1185	GEAR,MAIN	MA-24	7358 4345	SPRING, RETURN SLIDE	
CD-21	7525 1186	ASSY, GEAR, LEVER R	MA-25	7358 4346	SPRING, SUB T	
CD-22	7358 4342	SPRING, LINK R	MA-26	8681 4382	ASSY, BRAKE SUB T	
CD-24		BOARD, UNDER	MA-27	7548 4226	PULLEY, REEL	
CD-27	8318 5860	LEVER, SAFETY SW	MA-28	7358 4347	SPRING, SUB SUPPLY	
CD-28	7358 4713	SPRING, SAFETY SW	MA-29	8681 4105	SLIDE,ACT BRAKE	
CD-31		SCR BIN 3X6	MA-30	8681 4163	BRAKE,SUB SUPPLY	
			MA-31	8681 4107	ASSY,SLIDE,M PLATE	
MA-1	8681 4388	ASSY, LEVER, TENSION	MA-32	8681 4108	ASSY,BRAKE,SUPPLY	
MA-2	7358 4390	SPRING, LEVER TENSION	MA-33	7358 4488	SPRING, MAIN BRAKE	
MA-3	8681 4120	ASSY,HOLDER,BAND	MA-34	8681 4109	ASSY,BRAKE,TAKE UP	
MA-4		SCR PAN+SW+W 2.6X6	MA-35		WASHER Y 2.6X5X0.5	
MA-5		WASHER Y 2.6X6X0.25	MA-36	8681 4110	LEVER,CONT PLATE	
MA-6	6253 4244	ASSY,REEL,SUPPLY	MA-37	7726 0611	SPECIAL WASHER	
OR	6253 4246	ASSY, REEL, SUPPLY	MA-38		SCR S-TPG BIN 4X12	
MA-7	6253 4245	ASSY,REEL,TAKE UP	MA-39		SPECIAL WASHER 2.4X6X0.25	
OR	6253 4255	ASSY, REEL, TAKE UP				



NOTE-2

NOTE;

1. Materials of Capacitors and Resistors are abbreviate	ted as follows;
Resistors	TA-SOLIDTantalum Solid Capacitor
MT-FILM Metallized Film Resistor	AL-SOLID Aluminium Solid Capacitor
MT-GLAZE Metallized Glaze Reistor	NP-ELECTNon-Polarized Electrolytic Capacitor
OXIDE-MTOxide Metallized film Resist	or OS-SOLIDAluminium Solid Capacitors with Organic Semiconductive Electrolytic Capacitor
Capacitors	DL-ELECTDouble Layered Electrolytic Capacitor
MT-POLYEST Metallized Polyester capacit	
MT-COMPO Metallized Composite capac	
2. Tolerance of Capacitor (10pF over) and Resistor are	e noted with follow symbols.
F± 1% G± 2%	J± 5% K± 10%
M ± 20% N ± 30%	Z± 80% ~ -20%
3. Capacitors	
U: μH P: pF	
4. Inductors	
UH: μH MH: mH	
5. N.S.P.; Not available as servise parts.	

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
	WB,CP-1-A		Q1152	***************************************	TR 2SB1320A-Q-(TA)
COMPL.NO.	.6913 6677 (VCR	3784UK/VP ONLY)	OR		TR 2SB1320A-R-(TA)
		3784N/SV ONLY)	Q1301	3614 4402	TR DTA144EL-TL2
		3784VPS/SV ONLY)	OR	0017 770Z	TR UN6113-(TA)
			Q1312	3614 4379	TR 2SC4038-Q-TL2
(SEMICONE	DUCTORS)		OR	3614 4378	TR 2SC4038-R-TL2
Q1002	3614 4379	TR 2SC4038-Q-TL2	OR	3014 4376	TR 2SD1991A-Q-(TA)
OR	3614 4378	TR 2SC4038-R-TL2	OR		TR 2SD1991A-R-(TA)
OR	0014 4070	TR 2SD1991A-Q-(TA)	Q1313	3614 5227	TR DTC144ES-DCTP
OR		TR 2SD1991A-R-(TA)	OR	3614 5227	
Q1003	3614 4614	TR 2SA1561-TL2-Q	Q1601	3614 4614	TR 2SC3399-AC TR 2SA1561-TL2-Q
OR	3614 4492	TR 2SA1561-TL2-R	OR	3614 4492	TR 2SA1561-TL2-Q
OR	0011 11402	TR 2SB1320A-Q-(TA)	OR	3014 4492	
OR		TR 2SB1320A-R-(TA)	OR OR		TR 2SB1320A-Q-(TA)
Q1004	3614 4614	TR 2SA1561-TL2-Q	Q1621	3614 4379	TR 2SB1320A-R-(TA) TR 2SC4038-Q-TL2
OR	3614 4492	TR 2SA1561-TL2-R	OR	3614 4379	TR 2SC4038-R-TL2
OR	0014 4402	TR 2SB1320A-Q-(TA)	OR	3014 4376	TR 2SD1991A-Q-(TA)
OR		TR 2SB1320A-R-(TA)	OR		TR 2SD1991A-R-(TA)
Q1006	3614 4379	TR 2SC4038-Q-TL2	Q1622	3614 4379	TR 2SC4038-Q-TL2
OR	3614 4378	TR 2SC4038-R-TL2	OR	3614 4378	TR 2SC4038-R-TL2
OR	3017 1373	TR 2SD1991A-Q-(TA)	OR	3014 4370	TR 2SD1991A-Q-(TA)
OR		TR 2SD1991A-R-(TA)	OR		TR 2SD1991A-R-(TA)
Q1007	3614 4379	TR 2SC4038-Q-TL2	Q1623	3614 4614	TR 2SA1561-TL2-Q
OR	3614 4378	TR 2SC4038-R-TL2	OR OR	3614 4492	TR 2SA1561-TL2-R
OR	3017 7373	TR 2SD1991A-Q-(TA)	OR	3014 4432	TR 2SB1320A-Q-(TA)
OR		TR 2SD1991A-R-(TA)	OR		TR 2SB1320A-Q-(TA)
Q1010	3614 4614	TR 2SA1561-TL2-Q	On		111 23D 1320A-11-(1A)
		(VCR 3784VPS/SV ONLY)	Q2001	3614 7731	TR 2SC3331-T-AA
OR	3614 4492	TR 2SA1561-TL2-R	OR	3614 4650	TR 2SC3331-1-AA
		(VCR 3784VPS/SV ONLY)	Q2002	3614 7730	TR DTA124ES-DCTP
OR		TR 2SB1320A-Q-(TA)	OR	3614 4307	TR 2SA1346-AC
		(VCR 3784VPS/SV ONLY)	Q2003	3614 4377	TR DTC144EL-TL2
OR		TR 2SB1320A-R-(TA)	OR	3614 5227	TR DTC144ES-DCTP
		(VCR 3784VPS/SV ONLY)	OR	3614 5279	TR 2SC3399-AC
Q1011	3614 4377	TR DTC144EL-TL2	Q2004	3614 4377	TR DTC144EL-TL2
OR		TR UN6213-(TA)	OR	3614 5227	TR DTC144ES-DCTP
Q1012	3614 4379	TR 2SC4038-Q-TL2	OR	3614 5279	TR 2SC3399-AC
OR	3614 4378	TR 2SC4038-R-TL2	Q2008	3614 4377	TR DTC144EL-TL2
OR		TR 2SD1991A-Q-(TA)	OR	3614 5227	TR DTC144ES-DCTP
OR		TR 2SD1991A-R-(TA)	OR	3614 5279	TR 2SC3399-AC
Q1014	3614 4379	TR 2SC4038-Q-TL2	Q2009	3614 4377	TR DTC144EL-TL2
OR	3614 4378	TR 2SC4038-R-TL2	OR	3614 5227	TR DTC144ES-DCTP
OR		TR 2SD1991A-Q-(TA)	OR	3614 5279	TR 2SC3399-AC
OR		TR 2SD1991A-R-(TA)	Q2306	3614 5513	TR 2SC2274-E-AA
Q1101	3614 4614	TR 2SA1561-TL2-Q	OR	3614 5513	TR 2SC2274-F-AA
OR	3614 4492	TR 2SA1561-TL2-R	Q2308	3614 4377	TR DTC144EL-TL2
OR		TR 2SB1320A-Q-(TA)	OR	3614 5227	TR DTC144ES-DCTP
OR		TR 2SB1320A-R-(TA)	OR	3614 5279	TR 2SC3399-AC
Q1102	3614 4379	TR 2SC4038-Q-TL2	Q2309	3614 4377	TR DTC144EL-TL2
OR	3614 4378	TR 2SC4038-R-TL2	OR	3614 5227	TR DTC144ES-DCTP
OR		TR 2SD1991A-Q-(TA)	OR	3614 5279	TR 2SC3399-AC
OR		TR 2SD1991A-R-(TA)	Q2314	3614 4402	TR DTA144EL-TL2
Q1151	3614 4620	TR DTC124EL-TL2	OR	3614 4494	TR DTA144ES-DCTP
OR		TR UN6212-(TA)	OR	3614 5280	TR 2SA1345-AC
Q1152	3614 4614	TR 2SA1561-TL2-Q	Q2315	3614 4377	TR DTC144EL-TL2
OR	3614 4492	TR 2SA1561-TL2-R	OR	3614 5227	TR DTC144ES-DCTP

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
Q2315	3614 5279	TR 2SC3399-AC	Q6901	2614 4047	TD OCCEDO E CDA AC
Q2401	3614 5203	TR DTA114ES-DCTP		3614 4947	TR 2SC536-E-SPA-AC
OR OR	3614 5506	TR 2SA1348-AC	OR Q6902	3614 3969	TR 2SC536-F-SPA-AC
Q2402	3614 5231	TR DTC114ES-DCTP	00902 OR	3614 4690	TR KSA1175-Y TR 2SA608-E-SPA-AC
OR	3614 5218	TR 2SC3402-AC	OR OR	3614 4942 3614 5281	
Q2403	3614 4694	TR 2SC4483-S-AN	OR	3614 4542	TR 2SA608-F-SPA-AC
OR	3614 8824	TR 2SD1994-R (TA)	OR	3614 4542 3614 5540	TR 2SA933S-TP-Q
OR	3614 7686	TR 2SD1994-S (TA)	Q6903	3614 4691	TR 2SA933S-T93-R TR KSC2785-Y
Q2404	3614 5513	TR 2SC2274-E-AA	OR OR	3614 3781	TR 2SC1740S-DCTP-Q
OR	3614 5513	TR 2SC2274-F-AA	OR	3614 5240	TR 2SC1740S-DCTP-R
Q2501	3614 7730	TR DTA124ES-DCTP	OR	3614 4947	TR 2SC536-E-SPA-AC
OR	3614 4307	TR 2SA1346-AC	OR	3614 3969	TR 2SC536-F-SPA-AC
Q2502	3614 4377	TR DTC144EL-TL2	Q6904	3614 5227	TR DTC144ES-DCTP
OR	3614 5227	TR DTC144ES-DCTP	OR	3614 5279	TR 2SC3399-AC
OR	3614 5279	TR 2SC3399-AC	Q6921	3614 4546	TR 2SC2960-F-SPA-AC
Q2503	3614 7731	TR 2SC3331-T-AA			(EXCEPT VCR 3784N/SV)
OR	3614 4650	TR 2SC3331-U-AA	OR	3614 4547	TR 2SC2960-G-SPA-AC
Q2504	3614 4377	TR DTC144EL-TL2			(EXCEPT VCR 3784N/SV)
OR	3614 5227	TR DTC144ES-DCTP			,,,,
OR	3614 5279	TR 2SC3399-AC	(INTEGRATE	D CIRCUITS)	
			IC101	3771 6752	IC LA7345M
Q3001	3614 4377	TR DTC144EL-TL2	IC111	3771 6749	IC LC89925
OR		TR UN6213-(TA)	IC162	3771 6791	IC LC74760M-8783
Q3002	3614 4377	TR DTC144EL-TL2			
OR		TR UN6213-(TA)	C201	3771 6356	IC BA7755A
00			IC231	3771 6751	IC AN3961NFBP-A
Q3503	3614 4377	TR DTC144EL-TL2			
OR Ω3504	2614 4277	TR UN6213-(TA)	IC301	3771 6776	IC LC866648V-5407
03504 OR	3614 4377	TR DTC144EL-TL2	0.0	0774 0700	(VCR 3784UK/VP ONLY)
Q3551	3614 4379	TR UN6213-(TA) TR 2SC4038-Q-TL2	OR	3771 6792	IC LC866648V-5420
OR	3614 4378	TR 2SC4038-R-TL2	IC302	3771 8824	(EXCEPT VCR 3784UK/VP)
OR	3014 4370	TR 2SD1991A-Q-(TA)	OR	3771 6775	IC MN1380-L
OR		TR 2SD1991A-R-(TA)	IC303	3771 5775	IC MN1381-L(TA) IC LB1641
Q3552	3614 4379	TR 2SC4038-Q-TL2	10303	3771 3423	IC EB1041
OR	3614 4378	TR 2SC4038-R-TL2	IC351		IC BU2890BK
OR		TR 2SD1991A-Q-(TA)	OR	3771 6761	IC BU2890DK
OR		TR 2SD1991A-R-(TA)	OR	3771 6755	IC XRU2890BK
Q3553	3614 4379	TR 2SC4038-Q-TL2			
OR	3614 4378	TR 2SC4038-R-TL2	IC601	3771 5050	IC L5631(EXCEPT VCR 3784N/SV)
OR		TR 2SD1991A-Q-(TA)	OR	3771 4088	IC UPC574J(EXCEPT VCR 3784N/SV)
OR		TR 2SD1991A-R-(TA)	IC602	3771 6774	IC LE24C02S1(VCR 3784UK/VP ONLY)
00001		TD 00W4404 (TA) D	OR	3771 6748	IC LE24C04S1(EXCEPT VCR 3784UK/VP)
Q6001		TR 2SK1104-(TA) P	OR	3771 6588	IC ST24C02AB1(VCR 3784UK/VP ONLY)
OR		(EXCEPT VCR 3784N/SV) TR 2SK1104-(TA) Q	OR		IC X24C02P-C7189
011		(EXCEPT VCR 3784N/SV)	OR		(VCR 3784UK/VP ONLY) IC X24C04P-C7346
OR		TR 2SK1104-(TA) R	On		(EXCEPT VCR 3784UK/VP)
		(EXCEPT VCR 3784N/SV)	IC631	3771 6758	IC TDA8417(VCR 3784VPS/SV ONLY)
OR	3614 7523	TR 2SK222-D-AA(EXCEPT VCR 3784N/SV)	IC632	3771 5893	IC UPC1391HAMS(VCR 3784VPS/SV ONLY)
OR		TR 2SK222-E-AA(EXCEPT VCR 3784N/SV)	IC691	3771 4684	IC LA7910(EXCEPT VCR 3784N/SV)
OR		TR 2SK772-E-AC(EXCEPT VCR 3784N/SV)			
OR		TR 2SK772-F-AC(EXCEPT VCR 3784N/SV)	(DIODES)		
Q6004	3614 5227	TR DTC144ES-DCTP	D1003	3656 2770	DIODE GMA01-BT
		(EXCEPT VCR 3784N/SV)	OR	3656 2230	DIODE 1SS133-T-77
	3614 5279	TR 2SC3399-AC(EXCEPT VCR 3784N/SV)	D1004	3656 2770	DIODE GMA01-BT
	3614 4691	TR KSC2785-Y(EXCEPT VCR 3784VPS/SV)	OR	3656 2230	DIODE 1SS133-T-77
OR	3614 3781	TR 2SC1740S-DCTP-Q	D1007	3656 2770	DIODE GMA01-BT
OB		(EXCEPT VCR 3784VPS/SV)	OR	3656 2230	DIODE 1SS133-T-77
OR	3614 5240	TR 2SC1740S-DCTP-R	D1008	3656 2770	DIODE GMA01-BT
OR	3614 4947	(EXCEPT VCR 3784VPS/SV)	OR	3656 2230	DIODE 1SS133-T-77
OIT	3014 4947	TR 2SC536-E-SPA-AC (EXCEPT VCR 3784VPS/SV)	D1301	3656 2770	DIODE GMA01-BT
OR	3614 3969	TR 2SC536-F-SPA-AC	OR D1601	3656 2230 3656 2770	DIODE 1SS133-T-77
	0014 3300	(EXCEPT VCR 3784VPS/SV)	OR	3656 2230	DIODE GMA01-BT(VCR 3784UK/VP ONLY) DIODE 1SS133-T-77
Q6611	3614 4690	TR KSA1175-Y	Oit	3030 2230	(VCR 3784UK/VP ONLY)
	3614 4942	TR 2SA608-E-SPA-AC	D1602	3656 2770	DIODE GMA01-BT(VCR 3784UK/VP ONLY)
OR	3614 5281	TR 2SA608-F-SPA-AC	OR	3656 2230	DIODE 1SS133-T-77
	3614 4542	TR 2SA933S-TP-Q		_ _	(VCR 3784UK/VP ONLY)
	3614 5540	TR 2SA933S-T93-R	D1621	3656 2770	DIODE GMA01-BT
	3614 4691	TR KSC2785-Y	OR	3656 2230	DIODE 1SS133-T-77
	3614 3781	TR 2SC1740S-DCTP-Q	D1622		DIODE GMA01-BT
~~	3614 5240	TR 2SC1740S-DCTP-R	OR	3656 2230	DIODE 1S\$133-T-77
	3614 4947	TR 2SC536-E-SPA-AC	D. C.		
	3614 3969 3614 4691	TR 2SC536-F-SPA-AC TR KSC2785-Y	D1901	2050 2055	ZENER DIODE MTZJ3.9A-T-77
	3614 4691 3614 3781	TR 2SC1740S-DCTP-Q	OR	3656 3655	ZENER DIODE GZS3.9X-BT
	3614 5240	TR 2SC1740S-DCTP-R	D2001	3656 2770	DIODE GMA01 PT
	02.10		J2001	3656 2770	DIODE GMA01-BT

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
D2001	3656 2230	DIODE 1SS133-T-77			
D2301	3656 3114	ZENER DIODE MTZ5.6C-T-77	X6301	4421 2239	OSC.CRYSTAL 10MHZ
D2401	3656 2770	DIODE GMA01-BT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(VCR 3784VPS/SV ONLY)
OR	3656 2230	DIODE 1SS133-T-77			, , , , , , , , , , , , , , , , , , , ,
D2402	3656 8811	ZENER DIODE MTZJ5.1C-T-77	(CERAMIC RI	ESONATORS)	
D2403	3656 3368	DIODE AK04-V2	XF631	4552 7401	FILTER(VCR 3784VPS/SV ONLY)
OR		DIODE ERA83-004V5	XF632	4552 7567	FILTER,5.74MHZ B.P
D2405	3656 2770	DIODE GMA01-BT			(VCR 3784VPS/SV ONLY)
OR	3656 2230	DIODE 1SS133-T-77			
D2406	3656 8811	ZENER DIODE MTZJ5.1C-T-77	(VARIABLE F	(ESISTORS)	
Danas		DIODE DOLLIO THE	VR101		VR,SEMI 22KB
D3001	3656 3573	DIODE RB441Q T-77	OR VD100	2110 0007	VR,SEMI 22KB
D3002	3656 3238	ZENER DIODE GZS8.2Y-BT ZENER DIODE MTZJ8.2B-T-77	VR102 OR	3112 9897	VR,SEMI 2.2KB VR,SEMI 2.2KB
OR D3003	3656 3129 3656 3237	ZENER DIODE M1236.26-1-77 ZENER DIODE GZS5.6Y-BT	VR103	3112 9637	VR,SEMI 6.8KB
OR	3656 3130	ZENER DIODE MTZJ5.6B-T-77	OR	0112 0007	VR,SEMI 6.8KB
D3101	3656 2770	DIODE GMA01-BT(VCR 3784N/SV ONLY)	VR104		VR,SEMI 10KB
OR	3656 2230	DIODE 1SS133-T-77	OR		VR,SEMI 10KB
		(VCR 3784N/SV ONLY)			
D3102	3656 2770	DIODE GMA01-BT(VCR 3784UK/VP ONLY)	VR201	3111 8726	SEMI VR 100KB
OR	3656 2230	DIODE 1SS133-T-77	OR		VR,SEMI 100KB
		(VCR 3784UK/VP ONLY)	VR233	3112 9638	VR,SEMI 10K S
D3103	3656 2770	DIODE GMA01-BT	VR234	3112 9639	VR,SEMI 5K S
OR	3656 2230	(EXCEPT VCR 3784UK/VP) DIODE 1SS133-T-77	VR351	3111 8728	SEMI VR 220KB
Un	3030 2230	(EXCEPT VCR 3784UK/VP)	OR	3111 6/26	VR,SEMI 220KB
D3104	3656 2770	DIODE GMA01-BT(VCR 3784UK/VP ONLY)	On		VII,OLIVII ZZOND
OR	3656 2230	DIODE 1SS133-T-77	VR631		SEMI VR 6.8KB(VCR 3784VPS/SV ONLY)
U	0000 2200	(VCR 3784UK/VP ONLY)	OR	3112 9640	VR,SEMI 6.8KB(VCR 3784VPS/SV ONLY)
D3105	3656 2770	DIODE GMA01-BT			
OR	3656 2230	DIODE 1SS133-T-77	(TRIMMER)		
D3106	3656 2770	DIODE GMA01-BT	CT120	3412 9041	TRIMMER
OR	3656 2230	DIODE 1SS133-T-77			
D3107	3656 2770	DIODE GMA01-BT	(INDUCTORS	-	COULIND STOR 4 OLUMA
OR D2110	3656 2230	DIODE 1SS133-T-77	L1002 OR	4543 2197 4543 3478	COIL,INDUCTOR 1.0UHM HF CHOKE 1.0UHK
D3110 OR	3656 2770 3656 2230	DIODE GMA01-BT DIODE 1SS133-T-77	L1004	4543 3476 4543 8727	COIL,INDUCTOR 150UHK
D3111	3656 2770	DIODE 133133-1-77 DIODE GMA01-BT	OR	4040 0/2/	HF CHOKE 150UHK
OR	3656 2230	DIODE 1SS133-T-77	L1005	4543 3337	COIL.INDUCTOR 220UHK
D3112	3656 2770	DIODE GMA01-BT	OR	4040 0007	HF CHOKE 220UHK
55112	0000 2770	(EXCEPT VCR 3784UK/VP)	L1007	4543 3254	COIL,INDUCTOR 3.3UHK
OR	3656 2230	DIODE 1SS133-T-77	OR		HF CHOKE 3.3UHK
		(EXCEPT VCR 3784UK/VP)	L1008	4543 3252	COIL,INDUCTOR 15UHK
D3113	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 15UHK
OR	3656 2230	DIODE 1SS133-T-77	L1009	4543 3242	COIL,INDUCTOR 2.2UHM
D3121	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 2.2UHK
OR Dates	3656 2230	DIODE 1SS133-T-77	L1010 OR	4543 8728	COIL,INDUCTOR 27UHK HF CHOKE 27UHK
D3122 OR	3656 2770 3656 2230	DIODE GMA01-BT DIODE 1SS133-T-77	L1012	4543 3933	COIL,INDUCTOR 39UHJ
D3123	3656 2770	DIODE 133133-1-77 DIODE GMA01-BT	L1013	4543 8725	COIL,INDUCTOR 33UHK
OR OR	3656 2230	DIODE 1SS133-T-77	OR	4040 0720	HF CHOKE 33UHK
			L1014	4543 3933	COIL,INDUCTOR 39UHJ
D3502	3656 2770	DIODE GMA01-BT	L1101	4543 3266	COIL,INDUCTOR 82UHK
OR	3656 2230	DIODE 1SS133-T-77	OR		HF CHOKE 82UHK
D3554	3656 2770	DIODE GMA01-BT	L1622	4543 2258	COIL,INDUCTOR 5.6UHK
OR	3656 2230	DIODE 1SS133-T-77	OR		HF CHOKE 5.6UHK
D0004	2052 2004	TENED DIODE MITTOOM T TO	L2001	4543 3929	COLUNDUCTOR FOOTH
D6001	3656 3084	ZENER DIODE MTZ33A-T-77 (VCR 3784N/SV ONLY)	L2001	4543 3929	COIL,INDUCTOR 560UHJ HF CHOKE 27MH
OR		ZENER DIODE MTZ33B-T-77	L2002	4543 3871	HF CHOKE 10000UHJ
OII		(VCR 3784N/SV ONLY)	L2301	4543 3413	COIL,INDUCTOR 2.2MHJ
D 69 01	3656 2770	DIODE GMA01-BT	OR		HF CHOKE 2200UHJ
OR	3656 2230	DIODE 1\$\$133-T-77	L2501	4543 3929	COIL,INDUCTOR 560UHJ
D6902	3656 2770	DIODE GMA01-BT			
OR	3656 2230	DIODE 1SS133-T-77	L3001	4552 6823	LINE FILTER
D6903	3656 2770	DIODE GMA01-BT	L3002	4552 6823	LINE FILTER
OR	3656 2230	DIODE 1SS133-T-77			
(00			L6002	4543 1989	COIL,INDUCTOR 10UHK
(CRYSTAL D		OCC CRVCTAL A ASSCIPALIZ	ΛP		(VCR 3784VPS/SV ONLY)
X1001	4421 2238	OSC,CRYSTAL 4.433619MHZ	OR L6003	4543 1989	HF CHOKE 10UHK(VCR 3784VPS/SV ONLY) COIL,INDUCTOR 10UHK
OR OR		OSC,CRYSTAL 4.433619MHZ OSC,CRYSTAL 4.433619MHZ	L0003	4040 1303	(VCR 3784VPS/SV ONLY)
X1621	4421 2466	CRYSTAL 4.4530 19MINZ	OR		HF CHOKE 10UHK(VCR 3784VPS/SV ONLY)
OR OR	7721 2700	OSC,CRYSTAL 17.734475MHZ	L6004	4543 1989	COIL, INDUCTOR 10UHK
•					(VCR 3784VPS/SV ONLY)
X3001	4421 2214	RESONATOR, CERAMIC13.92MHZ	OR		HF CHOKE 10UHK(VCR 3784VPS/SV ONLY)
X3002	4421 2348	OSC,CRYSTAL 32KHZ	L6005	4543 1989	COIL,INDUCTOR 10UHK
OR		OSC,CRYSTAL 32.768KHZ			(VCR 3784VPS/SV ONLY)

LOCATION	PARTS NO.	DESCRIPTI	ΩN			LOCATION	PARTS NO.	DECODIO	FION			
L6005					2001 2011 10		TANTS NO.	DESCRIP	IIUN			
L6601	4543 3252	HF CHOKE 10 COIL,INDUCT			S/SV ONLY)	C1107 C1109		CERAMIC	47P	J	50V	
OR	10 10 0202	HF CHOKE 1				C1109 C1110		CERAMIC ELECT	0.01U 1U	M	16V 50V	
L6602	4543 1989	COIL, INDUCT				C1311		CERAMIC	0.022U	J	16V	
OR L 662 1	4542 2100	HF CHOKE 10		,		C1601		CERAMIC	0.10	Z	50V	
	4543 2199	COIL, INDUCT	3784UK/VF	P)		C1602		ELECT (VCR 3784U	470U KNP ONLY)	М	6.3V	
OR	4543 1988	COIL, INDUCT				C1621		CERAMIC	15P	J	50V	
OR		(VCR 3784UK HF CHOKE 56		784HK	A/P (MI V)	C1622 C1623		CERAMIC	15P	J	50V	
OR		HF CHOKE 10	00UHK		VVI 011CI)	C1624		ELECT ELECT	47U 47U	M	6.3V 10V	
		(EXCEPT VCR	3784UK/VF	P)		C1625		ELECT	100	M	50V	
(TRANSFORM	AEDQ)					C1627		CERAMIC	100P	J	50V	
	4552 7546	TRANS,OSC				C1628 C1630		ELECT CERAMIC	100	M	50V	
T2501	4552 7545	TRANS,OSC				C1631		NP-ELECT	6800P 1U	j M	16V 50V	
T0004	4550					C1632		CERAMIC	0.022U	J	16V	
T6901 OR	4552 7548 4552 7568	TRANS,IF TRANS,IF				C1633		CERAMIC	24P	J	50V	
OII	4332 /300	I DANS, IF				C1634 C1635		CERAMIC CERAMIC	10P	D	50V	
(DELAY LINES						C1636		CERAMIC	0.1U 0.01U	Z M	50V 16V	
DL101 OR	4342 1036	DELAY LINE(C DELAY LINE(C				C1637		ELECT	47U	М	6.3V	
		DEDAY CHACK	,O.VID)			C2001		ELECT	0.22U	М	50V	
(CAPACITORS	S)					C2002		CERAMIC	0.220 0.01U	K	16V	
C1002 C1003		CERAMIC CERAMIC	180P 100P	J	50V	C2003		ELECT	. 33U	М	6.3V	
C1005		ELECT	0.47U	J M	50V 50V	C2004 C2005		CERAMIC ELECT	2200P	M	16V	
C1006		CERAMIC	4.7P	K	50V	C2006		CERAMIC	1U 0.012U	M K	50V 16V	
C1007		CERAMIC	390P	J	50V	C2007		ELECT	10U	M	16V	
C1009 C1010		CERAMIC CERAMIC	4.7P 82P	K	50V	C2009		CERAMIC	220P	J	50V	
C1011		ELECT	82P 1U	J M	50V 50V	C2010 C2019		CERAMIC ELECT	2700P	М	16V	
C1012		ELECT	10U	M	16V	C2013		CERAMIC	47U 0.022U	M Z	16V 25V	
C1013 C1014		ELECT	0.47U	М	50V	C2022		CERAMIC	4700P	M	16V	
C1014 C1015		CERAMIC CERAMIC	0.01U 0.033U	M Z	16V 16V	C2023		CERAMIC	220P	K	50V	
C1016		CERAMIC	0.033U	J	16V	C2024 C2025		POLYPRO CERAMIC	6800P 8200P	J K	100V 16V	
C1021		CERAMIC	390P	J	50V	C2027		CERAMIC	0.022U	K	16V	
C1022 C1023		CERAMIC CERAMIC	0.1U	J	16V	C2030		ELECT	10U	М	16V	
C1028		CERAMIC	150P 0.1U	J Z	50V 50V	C2301 C2302		ELECT	10U	M	16V	
C1030		ELECT	1U	М	50V	C2302		ELECT ELECT	10U 10U	M M	16V 16V	
C1031		ELECT	10	M	50V	C2304		ELECT	10U	M	16V	
C1032 C1033		CERAMIC CERAMIC	0.047U 0.022U	J J	16V 16V	C2305		ELECT	10∪	М	16V	
C1034		CERAMIC	75P	J	50V	C2306 C2307		ELECT ELECT	10U	M	16V	
C1036		ELECT	10	M	50V	C2308		ELECT	10U 10U	M M	16V 16V	
C1037		ELECT	2.2U	М	50V	C2310		ELECT	33U	M	6.3V	
C1038 C1039		CERAMIC CERAMIC	0.022U 0.047U	J	16V	C2311		ELECT	33 U	М	6.3V	
C1040		CERAMIC	0.0470 0.01U	M	16V 16V	C2312 C2313		ELECT CERAMIC	33U	M	6.3V	
C1041		ELECT	10U	М	16V	C2314		CERAMIC	0.047U 0.047U	K K	16V 16V	
C1042 C1044		CERAMIC	0.047U	J	16V	C2315		ELECT	2.2U	M	50V	
C1046		ELECT ELECT	47U 10U	M M	6.3V 16V	C2316 C2317		ELECT	2.2U	М	50V	
C1047		ELECT	10U	M	16V	C2317		ELECT ELECT	100U 100U	M M	6.3V 6.3V	
C1048 C1049		CERAMIC	0.01U	М	16V	C2319		CERAMIC	0.015U	K	16V	
C1049 C1050		CERAMIC CERAMIC	33P 0.01U	J M	50V 16V	C2320		CERAMIC	0.015U	K	16V	
C1051		CERAMIC	470P	J	50V	C2321 C2322		CERAMIC CERAMIC	0.01U 0.01U	J	16V	
C1052		CERAMIC	560P	J	50V	C2323		CERAMIC	0.01U	J K	16V 16V	
C1053 C1054		CERAMIC ELECT	0.01U	М	16V	C2324	(CERAMIC	0.01U	K	16V	
C1058		CERAMIC	47U 27P	M J	6.3V 50V	C2325 C2326		CERAMIC	0.01U	М	16V	
C1060		CERAMIC	27P	j	50V	C2327		CERAMIC ELECT	0.01U 47U	M M	16V	
C1061		CERAMIC	22P	J	50V	C2328		ELECT	47U	M	6.3V 6.3V	
C1062 C1063		CERAMIC CERAMIC	180P	J	50V	C2329	(CERAMIC	0.01U	M	16V	
C1064		CERAMIC	82P 0.01U	J M	50V 16V	C2330 C2331		CERAMIC	0.01U	M	16V	
C1081		CERAMIC	82P	j	50V	C2332		ELECT ELECT	10U 10U	M M	16V 16V	
C1098		CERAMIC	0.10	Z	50V	C2333		ELECT	10U	M	16V	
C1099 C1101		CERAMIC ELECT	0.1U 47U	Z	50V	C2334		LECT	47U	M	16V	
C1102		CERAMIC	0.01U	M M	6.3V 16V	C2343		ELECT	10U	M	16V	
C1104		CERAMIC	100P	J	50V	C2344		EXCEPT VCR : MT-POLYEST	3784VPS/SV) 0.22U	j	50V	
C1105 C1106		CERAMIC	47P	J	50V	C2345	(CERAMIC	270P	J	50V	
01100		CERAMIC	4.7P	K	50V	C2346	C	CERAMIC	2200P	J	16V	

LOCATION	PARTS NO.	DESCRIPTION				LOCATION PARTS NO.	DESCRIPTION		
C2350		CERAMIC	0.01U	М	16V	C6004	MT-POLYEST 0.1U	J	50V
C2352		ELECT	10U	M	16V		(EXCEPT VCR 3784N/SV)		
C2353		ELECT	22U	М	6.3V	C6005	ELECT 4.7U	M	25V
C2354		ELECT	1U	M	50V		(VCR 3784VPS/SV ONLY)		
C2361		ELECT	47U	М	6.3V	C6006	ELECT 47U	M	16V
C2362		CERAMIC	0.01U	М	16V	C6007	CERAMIC 0.047U	Z	16V
C2371 C2372		CERAMIC	0.01U	M	16V	Cenno	(EXCEPT VCR 3784N/SV) ELECT 22U		EOV/
C2372 C2401		CERAMIC CERAMIC	0.01U 0.01U	M M	16V 16V	C6009 C6010	ELECT 22U CERAMIC 0.1U	M Z	50V 50V
C2401		ELECT	47U	M	6.3V	C6011	ELECT 4.7U	M	25V
C2403		CERAMIC	0.01U	М	16V	30011	(EXCEPT VCR 3784VPS/SV		201
C2407		ELECT (EXCEPT VCR 37	47U	М	16V	C6012	ELECT 4.7U (EXCEPT VCR 3784VPS/SV	М	25V
C2501		POLYPRO	0.047U	J	100V	C6013	CERAMIC 470P	K	50V
C2502		ELECT	47U	М	16V	C6022	MT-POLYEST 0.033U	J	50V
C2503		CERAMIC	0.01U	М	16V	****	(EXCEPT VCR 3784VPS/SV		
C2504		CERAMIC	0.01U	М	16V	C6031	CERAMIC 390P (VCR 3784UK/VP ONLY)	J	50V
C3001		ELECT	2.2U	М	50V	C6032	CERAMIC 0.01U	М	16V
C3002		CERAMIC	0.01U	M	16V	0000	(EXCEPT VCR 3784VPS/SV		
C3003		CERAMIC	0.1U	Z	25V	C6097	CERAMIC 0.01U	M	16V
C3004 C3005		CERAMIC CERAMIC	0.01U 0.01U	M M	16V 16V	C6098	(EXCEPT VCR 3784VPS/SV) ELECT 100U	M	6.3V
C3008		ELECT	10U	M	16V	C0036	(EXCEPT VCR 3784VPS/SV)		0.34
C3009		CERAMIC	0.01U	M	16V	C6099	CERAMIC 0.01U	, М	16V
C3010		CERAMIC	12P	J	50V	C6301	ELECT 100U	М	16V
C3011		CERAMIC	20P	J	50V		(VCR 3784VPS/SV ONLY)		
C3012		CERAMIC	0.01U	M	16V	C6302	CERAMIC 0.01U	М	16V
C3013		CERAMIC	0.01U	M	16V		(VCR 3784VPS/SV ONLY)		
C3014		ELECT	470U	M	6.3V	C6303	ELECT 10U	М	50V
C3015		CERAMIC	10P	J	50V	C6304	(VCR 3784VPS/SV ONLY)	N.4	E0\/
C3016 C3017		CERAMIC CERAMIC	0.01U 330P	M K	16V 50V	C6304	ELECT 2.2U (VCR 3784VPS/SV ONLY)	М	50V
C3017		CERAMIC	0.1U	Z	50V	C6305	ELECT 4.7U	М	25V
C3021		CERAMIC	0.10	Z	50V	00000	(VCR 3784VPS/SV ONLY)		201
C3022	3422 8772	DL-ELECT	0.047F	Z	5.5V	C6306	ELECT 4.7U	М	25V
C3050		CERAMIC	0.01U	М	16V		(VCR 3784VPS/SV ONLY)		
C3051		CERAMIC	0.1U	Z	25V	C6307	ELECT 0.22U	М	50V
C3055		CERAMIC	0.1U	Z	50V	C6308	(VCR 3784VPS/SV ONLY) CERAMIC 0.01U	М	16V
C3501		CERAMIC	0.015U	K	16V	C0306	(VCR 3784VPS/SV ONLY)	101	100
C3502		CERAMIC	6800P	K	16V	C6309	CERAMIC 0.01U	М	16V
C3503		CERAMIC	0.015U	K	16V		(VCR 3784VPS/SV ONLY)		
C3505		ELECT	22 U	M	10V	C6312	CERAMIC 0.01U	M	1 6 V
C3506		CERAMIC	6800P	K	16V	60040	(VCR 3784VPS/SV ONLY)		E0) (
C3508		ELECT	22U	M	10V	C6313	CERAMIC 82P	J	50V
C3509 C3510		ELECT CERAMIC	47U 0.01U	M M	6.3V 16V	C6314	(VCR 3784VPS/SV ONLY) ELECT 10U	М	50V
C3510		CERAMIC	220P	K	50V	C0314	(VCR 3784VPS/SV ONLY)	191	J0V
C3513		CERAMIC	0.068U	ĸ	16V	C6601	ELECT 10U	М	16V
C3514		POLYESTER	0.1U	K	50V	C6602	ELECT 10U	М	50V
C3515		POLYESTER	0.022U	K	50V	C6611	ELECT 22U	Μ	10V
C3516		CERAMIC	2200P	K	16V	C6621	CERAMIC 33P	J	50V
C3517		CERAMIC	1500P	K	16V	C6622	CERAMIC 33P	J	50V
C3522		CERAMIC	1000P	K	50V	0.0	(VCR 3784UK/VP ONLY)		501/
C3523		ELECT	1U	М	50V	OR	CERAMIC 39P	J	50V
C3524 C3525		CERAMIC ELECT	0.01U 0. 47 U	M M	16V 50V	C6901	(EXCEPT VCR 3784UK/VP) CERAMIC 0.1U	Z	50V
C3525		CERAMIC	0.470 0.022U	K	16V	C6902	CERAMIC 0.1U ELECT 10U	M	16V
C3530		ELECT	47U	M	6.3V	C6903	CERAMIC 0.022U	Z	25V
C3536		ELECT	220U	М	6.3V	C6904	ELECT 0.22U	М	50V
C3551		MT-POLYEST	0.12U	J	50V	C6905	CERAMIC 0.1U	Z	50V
C3552		CERAMIC	56P	J	50V	C6921	CERAMIC 0.1U	Z	50V
C3553		ELECT	1U	M	50V		(EXCEPT VCR 3784N/SV)		
C3554 C3555		CERAMIC	150P	J M	50V	C6924	MT-POLYEST 0.33U	J	50V
C3555 C3556		CERAMIC CERAMIC	0.01U 1000P	K	16V 50V	C6925	(EXCEPT VCR 3784N/SV) MT-POLYEST 0.22U	J	50V
C3558		ELECT	33U	М	16V	00320	(EXCEPT VCR 3784N/SV)	J	JUV
C3560		CERAMIC	100P	K	50V	C6930	CERAMIC 180P	Κ	50V
C3570		CERAMIC	0.10	Z	50V		(EXCEPT VCR 3784N/SV)		
C3571		CERAMIC	0.1U	Z	50V				
C3599		MT-POLYEST	0.039U	J	50V	(RESISTORS)	0.10001		
C0004		CEDANNO	0.411	7	E01/	R1001	CARBON 3.3K	JA	1/4W
C6001		CERAMIC (EXCEPT VCR 37	0.1U	Z	50V	R1002 R1003	CARBON 1.2K CARBON 3.9K	JA IA	1/4W 1/4W
C6002		ELECT VCR 3	4.7U	М	25V	R1003	CARBON 3.9K CARBON 1K	JA JA	1/ 4 VV 1/4W
00002		(VCR 3784VPS/S		141	~~*	R1005	CARBON 750	JA	1/4W
C6003		ELECT	10	М	50V		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		(VCR 3784VPS/S	SV ONLY)						

LOCATION PARTS	S NO. DES	CRIPTION				LOCATION	PARTS NO.	DESCRIPTION			
R1006	CAR	BON	430	JA	1/4W	R1694		CARBON 9.	1K J	JA	1/4W
R1007		BON	430 1K	JA	1/4W	111034		(EXCEPT VCR 3784UK		Ж	1/400
R1007		BON	2.7K	JA	1/4W	R1695				I A	1 (4) ()
R1009		BON	2.7K	JA	1/4W	n 1090		(EXCEPT VCR 3784UK		JA	1/4W
R1011		BON	100K	JA	1/4W			EXCEPT VCh 3/84UN	/VP)		
R1012		BON	160K	JA	1/4W	D2001		CARRON	יער	I A	1/4\4/
R1013		BON	1K		•	R2001 R2002				JA IA	1/4W
				JA	1/4W					JA	1/4W
R1014		BON	2.2K	JA	1/4W	R2003		CARBON 27		JA	1/4W
R1018		BON	1 K	JA	1/4W	R2004				JΑ	1/4W
R1019		BON	22K	JA	1/4W	R2005				jΑ	1/4W
R1020		BON	15K	JA	1/4W	R2006				JΑ	1/4W
R1021		IBON	1.2K	JΑ	1/4W	R2007				JΑ	1/4W
R1022		BON	470	JA	1/4W	R2008				JΑ	1/4W
R1026		BON	1M	JA	1/4W	R2010				JΑ	1/4W
R1027		BON	8.2K	JA	1/4W		3151 7957		22 J	JA	1/4W
R1028		BON	1.8₭	JA	1/ 4W	R2015				JΑ	1/4W
R1029		BON	1 K	JA	1/4W	R2020			3K J	JA	1/4W
R1030		BON	4.7K	JA	1/4W	R2035		CARBON 2	2K J	JA	1/4W
R1031		BON	1.8K	JA	1/4W	R2036		CARBON	47 J	JA	1/4W
R1032	CAR	BON	22K	JA	1/4W	R2038		CARBON 1	00 J	JA	1/4W
R1033	CAR	BON	1 K	JA	1/4W	R2301		CARBON 4	7K J	jΑ	1/4W
R1035	CAR	IBON	470	JA	1/4W	R2302		CARBON 4	7K J	jΑ	1/4W
R1036	CAR	BON	1.5K	JA	1/4W	R2303		CARBON 2	4K J	JΑ	1/4W
R1038	CAR	BON	1K	JA	1/4W	R2304		CARBON 2-	4K J	JA	1/4W
R1040		BON	150	JA	1/4W	R2305					1/4W
R1041		BON	100	ĴΑ	1/4W	R2306					1/4W
		R 3784VPS/SV		•	,, ,,,	R2307					1/4W
R1042		BON	1K	JA	1/4W	R2308					1/4W
1110-12		R 3784VPS/SV		<i></i>	1/7**	R2309					1/4W
R1044		BON	12K	JA	1/4W	R2310					
R1044		IBON	33K		1/4W						1/4W
				JA		R2311					1/4W
R1047		BON	8.2K	JA	1/4W	R2312					1/4W
R1048		BON	4.7K	JA	1/4W	R2313					1/4W
R1049		BON	12K	JA	1/4W	R2314					1/4W
R1052		BON	1K	JA	1/4W	R2315					1/4W
R1053		BON	330	JA	1/4W	R2316			7K J.	ΙA	1/4W
R1054		BON	3.3K	JA	1/4W	R2317			2K J	ΙA	1/4W
R1058		BON	4.7K	JA	1/4W	R2318		CARBON 1:	2K J.	IΑ	1/4W
R1059		BON	1.8K	JA	1/4W	R2319		CARBON 3.5	9K J	Α	1/4W
R1063	CAR	BON	22K	JA	1/4W	R2320		CARBON 3.9	9K J	Α	1/4W
R1065	CAR	BON	1 K	JA	1/4W	R2321		MT-FILM 15	5K FI	D	1/4W
R1071	CAR	BON	2.7K	JA	1/4W	R2322		MT-FILM 12	2K F	D	1/4W
R1072	CAR	BON	1.8K	JA	1/4W	R2323		CARBON 2.	7K J	IΑ	1/4W
R1104	CAR	BON	560	JA	1/4W	R2324		CARBON	1K J	ΙA	1/4W
R1105	CAR	BON	1K	JA	1/4W	R2329		CARBON 22	20 J	Α	1/4W
R1106	CAR	BON	1K	JA	1/4W	R2330		CARBON 22	20 J	Α	1/4W
R1107	CAR	BON	2.2K	JA	1/4W	R2335		CARBON 10	OK J	Α	1/4W
R1153	CAR	BON	4.7K	JA	1/4W	R2336		CARBON 22	2K J		1/4W
R1154	CAR	BON	4.7K	JΑ	1/4W	R2338		CARBON 3.9			1/4W
R1312	CAR	BON	10K	JΑ	1/4W	R2339					1/4W
R1601		BON	560	JA	1/4W	R2340			2K J/		1/4W
R1602		BON	68	JΑ	1/4W	R2343		CARBON 390			1/4W
		R 3784UK/VP (•	.,	R2344					1/4W
R1621		BON	22K	JA	1/4W	R2345			OK J		1/4W
R1622		BON	4.3K	JA	1/4W	R2346		CARBON 2.2			1/4W
R1623		BON	1.5K	JA	1/4W	R2347			2K J/		1/4VV 1/4W
R1624		BON	1.5K	JA	1/4W	R2348		CARBON 10			
R1625		BON	6.8K	JA	1/4W	R2349					1/4W
R1626		BON	100K	JA JA	1/4VV 1/4W	R2349 R2350			OK J		1/4W
R1627					•			CARBON 510			1/4W
		BON	220	JA	1/4W	R2351			7K J		1/4W
R1628		BON	100	JA	1/4W	R2352			7K J		1/4W
R1629		BON	2.2K	JA	1/4W	R2353			4K J		1 /4 W
R1630		BON	1.5K	JA	1/4W	R2354			4K J		1 /4W
R1631		BON	6.8K	JA	1/4W	R2355			3K J/	Α	1/4W
R1632		BON	1K	JA	1/4W			(EXCEPT VCR 3784VPS			
R1633		BON	560	JA	1/4W	R2356		CARBON 30	OK JA	A	1/4W
		R 3784UK/VP ((EXCEPT VCR 3784VPS	S/SV)		
R1634		BON	1K	JA	1/4W	R2360			2K J		1/4W
		CEPT VCR 3784				R2361			OK JA	Α	1/4W
R1691	CAR	BON	680	JA	1/4W	R2368			K J		1/4W
	(VCF	R 3784UK/VP (NLY)			R2371		CARBON 1.8			1/4W
OR	CAR	BON	820	JA	1/4W	R2380		CARBON 220			1/4W
	(EXC	EPT VCR 3784	4UK/VP)			R2403			IK JA		1/4W
R1692		BON	820	JA	1/4W	R2404			OK JA		1/4W
		EPT VCR 3784						(EXCEPT VCR 3784UK/			•
R1693		BON	1K	JA	1/4W	R2405			3K JA	А	1/4W
	_	R 3784UK/VP (*	·= ·		(EXCEPT VCR 3784UK/		•	
OR		BON	13K	JA	1/4W				,		
		CEPT VCR 3784		•							
	,		- 4 /								

LOCATION	PARTS NO.	DESCRIPTION				LOCATION	PARTS NO.	DESCRIPTION		
R2406 R2407		CARBON CARBON	1K 1K	JA JA	1/4W 1/4W	R6011		CARBON 330K (EXCEPT VCR 3784N/SV)	JA	1/4W
	3151 7957	(EXCEPT VCR 3784U FUSIBLE RES			1/4W	R6014		CARBON 2K	JA	1/4W
R2502	. 3101 7907	CARBON	47	JA JA	1/4W	R6016		(VCR 3784VPS/SV ONLY) CARBON 100K	JA	1/4W
R2503 R2504		CARBON CARBON	15K 10	JA JA	1/4W 1/4W	R6017		(EXCEPT VCR 3784VPS/SV CARBON 91K	/) JA :	1/4W
R2505		CARBON	10K	JA	1/4W			(EXCEPT VCR 3784VPS/SV	′)	·
R2506		CARBON	10K	JA	1/4W	R6018		CARBON 91K (EXCEPT VCR 3784VPS/SV	JA 1)	1/4W
	3151 7950		3.3	JA	1/2W	R6019		CARBON 2.2K	, JA	1/4W
R3002 R3004			750 I.5K	JA JA	1/4W 1/4W	R6021		(EXCEPT VCR 3784VPS/SV CARBON 2.2K	JA	1/4W
R3008 R3009			47K 1.7K	JA JA	1/4W 1/4W	R6022		(EXCEPT VCR 3784VPS/SV CARBON 6.8K		1 /4\4 /
R3010			1.7K	JA	1/4W	n0022		(EXCEPT VCR 3784VPS/SV	JA ')	1/4W
R3011 R3012			1.7K 1.7K	JA JA	1/4W 1/4W	R6301		CARBON 4.7K (VCR 3784VPS/SV ONLY)	JA	1/4W
R3012			1.7K	JA JA	1/4W	R6302		CARBON 470	JA	1/4W
R3014 R3015			00K	JA	1/4W	Deana		(VCR 3784VPS/SV ONLY)	1.6	1/4/4/
R3018			00K 10K	JA JA	1/4W 1/4W	R6303		CARBON 330 (VCR 3784VPS/SV ONLY)	JA	1/4W
R3022 R3023		CARBON 10 CARBON	00K 1K	JA JA	1/4W 1/4W	R6304		CARBON 330 (VCR 3784VPS/SV ONLY)	JA	1/4W
R3024		CARBON	1K	JA	1/4W	R6309		CARBON 560	JA	1/4W
R3025 R3026		CARBON CARBON	1K 1K	JA JA	1/4W 1/4W	R6312		(VCR 3784VPS/SV ONLY) CARBON 10K	14	1/4\6/
R3027		CARBON	10K	JA	1/4W	NU312		CARBON 10K (VCR 3784VPS/SV ONLY)	JA	1/4W
R3028 R3029			10K 10K	JA JA	1/4W 1/4W	R6313		CARBON 12K (VCR 3784VPS/SV ONLY)	JA	1/4W
R3030		CARBON	10K	JA	1/4W	R6314		CARBON 8.2K	JA	1/4W
R3032 R3036			33K 10K	JA JA	1/4W 1/4W	R6315		(VCR 3784VPS/SV ONLY) CARBON 10K	JA	1/4W
R3038		CARBON	1K	JA	1/4W			(VCR 3784VPS/SV ONLY)	JA	1/4**
R3043		CARBON	10K	JΑ	1/4W	R6316		CARBON 1K (VCR 3784VPS/SV ONLY)	JA	1/4W
R3501			00K	JA	1/4W	R6317		CARBON 1K	JA	1/4W
R3502 R3503			00K 30K	JA JA	1/4W 1/4W	R6611		(VCR 3784VPS/SV ONLY) CARBON 1.3K	JA	1/4W
R3504		CARBON 1	50K	JA	1/4W	R6612		CARBON 1.8K	JA	1/4W
R3505 R3506			15K 20K	JA JA	1/4W 1/4W	R6613 R6621		CARBON 560 CARBON 5.6K	JA JA	1/4W 1/4W
R3507		CARBON 1	50K	JA	1/4W	R6622		CARBON 1K	JA	1/4W
R3508 R3516			27K 10K	JA JA	1/4W 1/4W	R6623 R6624		CARBON 820 CARBON 1.8K	JA JA	1/4W 1/4W
R3517		CARBON	47K	JA	1/4W	R6901		CARBON 1K	JA	1/4W
R3518 R3520			47K 30K	JA JA	1/4W 1/4W	R6902 R6903		CARBON 330 CARBON 620	JA JA	1/4W 1/4W
R3521		CARBON	10K	JA	1/4W	R6904		CARBON 10K	JA	1/4W
R3525 R3526		CARBON 2	1K 2.2K	JA JA	1/4W 1/4W	R6905 R6906		CARBON 330K CARBON 10K	JA JA	1/4W 1/4W
R3527		CARBON	1K	JA	1/4W	R6907		CARBON 3.3K	JA	1/4W
R3528 R3529			510 510	JA JA	1/4W 1/4W	R6908 R6909		CARBON 82 CARBON 1K	JA JA	1/4W 1/4W
R3533		CARBON 1	.5K	JA	1/4W	R6910		CARBON 510	JA	1/4W
R3537 R3546			3.2K 1.7K	JA JA	1/4W 1/4W	R6911 R6912		CARBON 5.6K CARBON 3.9K	JA JA	1/4W 1/4W
R3547			15K	JA	1/4W	R6921		CARBON 3.9K	JA	1/4W
R3549 R3550			10K 3.2K	JA JA	1/4W 1/4W	R6923		(EXCEPT VCR 3784N/SV) CARBON 10K	JA	1/4W
R3551		CARBON	10K	JA A	1/4W	D0004		(EXCEPT VCR 3784N/SV)		1 (414)
R3552 R3553			00K 20K	JA JA	1/4W 1/4W	R6924		CARBON 10K (EXCEPT VCR 3784N/SV)	JA	1/4W
R3555 R3556			00K	JA	1/4W	R6925		CARBON 18K	JA	1/4W
3557			10K 30K	JA JA	1/4W 1/4W	R6926		(EXCEPT VCR 3784N/SV) CARBON 15K	JA	1/4W
R3558			470	JA	1/4W	D0007		(EXCEPT VCR 3784N/SV)		1/4/4/
R3560		CARBON	1K	JA	1/4W	R6927		CARBON 12K (EXCEPT VCR 3784N/SV)	JA	1/4W
R6003		(EXCEPT VCR 3784N)	1M /SV)	JA	1/4W	R6928		CARBON 120 (VCR 3784VPS/SV ONLY)	JA	1 /4W
R6004			1M	JA	1/4W	R6930		CARBON 33K (EXCEPT VCR 3784N/SV)	JA	1/4W
R6005		CARBON 62	20K	JA	1/4W	(CMPTO) FC				
36006		(EXCEPT VCR 3784N) CARBON 39	/SV) 90K	JA	1/4W	(SWITCHES) S3101		SW,PUSH,REW		
R6007		CARBON 56	60K	JΑ	1/4W	OR	4112 7524	SWITCH, PUSH, REW		
R6010		CARBON 33 (EXCEPT VCR 3784N)	30K /SV)	JA	1/4W					

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTI	ON		
S3102 OR	4112 7524	SW, PUSH, PLAY	L1851	45.40.0054	HF CHOKE 10			
S3103	4112 /324	SWITCH,PUSH,PLAY SW,PUSH,REC	L1852 OR	4543 3251	COIL, INDUCT			
OR	4112 7524	SWITCH, PUSH, REC	Un		HF CHOKE 68	SUHK		
S3104	7112 7027	SW,PUSH,EJECT	L1901	4543 1949	COIL, INDUCT	OD 4711111		
OR	4112 7524	SWITCH, PUSH, EJECT	L1902	4543 1949				
S3105	7112 7324	SW,PUSH,FF	L1903	4543 4007	COIL, INDUCT			
OR	4112 7524	SWITCH, PUSH, FF	L1931	4543 3251	COIL, INDUCT		1	
S3106	4112 7324	SW,PUSH,STOP	OR	4543 3251				
	4112 7524	SWITCH.PUSH.STOP	Un		HF CHOKE 68	SUHK		
S3107	7112 7024	SW,PUSH,PAUSE	(CAPACITOR	C)				
OR	4112 7524	SWITCH, PUSH, PAUSE	C1801	3)	00.00110	4.711		401/
S3108	4112 7324	SW,PUSH,POWER	C1802		OS-SOLID	4.70	M	10V
	4112 7524	SWITCH, PUSH, POWER			CERAMIC	0.10	Z	50V
S3117	4112 7524	SW,PUSH,CH +	C1803		CERAMIC	0.015U	J	16V
OR	4112 7524	SWITCH, PUSH, CH +	C1804		CERAMIC	0.01U	M	16V
3118	4112 7524	SWITCH, FOSH, CH + SW, PUSH, CH -	C1805		ELECT	0.33U	М	50V
OR O	4112 7524	SWITCH,PUSH,CH -	C1806		CERAMIC	0.01U	М	16V
JII	4112 7024	SWITCH, FOSH, CH -	C1808		CERAMIC	0.01U	М	16V
DOOTECTOR			C1809		CERAMIC	0.01U	М	16V
PROTECTOR		CIDOLUT PROTECTOR	C1810		CERAMIC	0.01U	M	1 6 V
PR241	4375 2113	CIRCUIT PROTECTOR	C1811		CERAMIC	0.01U	M	16V
CONTROL DIA	/D \/D 4		C1812		CERAMIC	0.01U	М	16V
COMPL PW			C1813		CERAMIC	0.01U	М	16V
COMPL.NO.69	913 6639		C1814		CERAMIC	0.01U	М	16V
Am			C1815		CERAMIC	0.047U	М	16V
SEMICONDU	•		C1816		CERAMIC	0.047U	M	16V
	3614 4691	TR KSC2785-Y	C1817		CERAMIC	0.047U	M	16V
OR .	3614 3781	TR 2SC1740S-DCTP-Q	C1818		CERAMIC	0.047U	М	16V
	3614 5240	TR 2SC1740S-DCTP-R	C1831		CERAMIC	47P	J	50V
OR .	3614 4947	TR 2SC536-E-SPA-AC	C1832		CERAMIC	180P	J	50V
	3614 3969	TR 2SC536-F-SPA-AC	C1834		CERAMIC	330P	J	50V
	3614 4690	TR KSA1175-Y	C1851		CERAMIC	390P	J	50V
OR	3614 4942	TR 2SA608-E-SPA-AC	C1852		CERAMIC	330P	J	50V
	3614 5281	TR 2SA608-F-SPA-AC	C1853		CERAMIC	22P	Ĵ	50V
	3614 4542	TR 2SA933S-TP-Q	C1855		CERAMIC	82P	Ĵ	50V
OR	3614 5540	TR 2SA933S-T93-R	C1861		CERAMIC	0.10	Ž	50V
21851	3614 4463	TR 2SC2058S-DCTP-Q	C1862		ELECT	47U	М	6.3V
)R	3614 4306	TR 2SC2839-E-SPA-AC	C1867		CERAMIC	47P	J	50V
)R	3614 4436	TR 2SC2839-F-SPA-AC					·	001
1852	3614 4690	TR KSA1175-Y	C1901		CERAMIC	220P	J	50V
	3614 4942	TR 2SA608-E-SPA-AC	C1902		CERAMIC	100P	J	50V
)R	3614 5281	TR 2SA608-F-SPA-AC	C1903		CERAMIC	0.01U	K	50V
	3614 4542	TR 2SA933S-TP-Q	C1904		CERAMIC	39P	Ĵ	50V
)R	3614 5540	TR 2SA933S-T93-R	C1905		CERAMIC	0.01U	K	50V
			C1906		CERAMIC	0.010	K	50V
22901	3614 5240	TR 2SC1740S-DCTP-R	C1909		OS-SOLID	10.010	M	25V
	3614 4675	TR 2SC1740S-DCTP-S	01000		03-30LID	10	IVI	250
	3614 3969	TR 2SC536-F-SPA-AC	C2901		ELECT	4711		0.01/
	3614 4435	TR 2SC536-G-SPA-AC	C2902			47U	М	6.3V
711	3014 4433	111 20 C000-0-31 A-AC			CERAMIC	0.01U	М	16V
NTEGRATED	CIDCUITC		C2903		CERAMIC	0.01U	М	16V
		IC A7274	C2904		CERAMIC	0.01U	М	16V
101	3771 6590	IC LA7374	C2905		ELECT	47U	М	16V
191	2771 0752	IC TEACTED	C2906		CERAMIC	0.01U	М	16V
131	3771 6756	IC TEA5750	C2907		CERAMIC	0.01U	M	16V
291	2771 6747	IC 47070	C2908		ELECT	0.10	M	50V
, ムフ	3771 6747	IC LA7270	C2909		CERAMIC	0.01U	М	16V
MUDEGI			C2910		CERAMIC	0.01U	M	16V
HODES)	2050 277	01005 011101 57	C2911		CERAMIC	0.01U	М	16V
	3656 2770	DIODE GMA01-BT	C2912		CERAMIC	0.01U	M	16V
ıR .	3656 2230	DIODE 1S\$133-T-77	C2913		CERAMIC	0.01U	М	16V
1001	2052 225	TENED DIODE CTC TT						
	3656 3659	ZENER DIODE GZS2.7X-BT	(RESISTORS)					
PR :	3656 3587	ZENER DIODE MTZJ2.7A-T-77	R1801		CARBON	5.6K	JA	1/4W
/ADIADI = ==	CIOTOTO		R1802		CARBON	12K	JA	1/4W
/ARIABLE RE		OFF HAVE AVE	R1803		CARBON	22K	JΑ	1/4W
	3111 8928	SEMI VR 1KB	R1805		CARBON	22K	JA	1 /4W
R181 :		VR,SEMI 1KB	R1806		CARBON	1K	JA	1/4W
R181 R	0444 000	SEMI VR 2.2KXB	R1807		CARBON	470	JA	1/4W
R181 R R182 ;	3111 8971				CARBON	2.2K	JA	1/4W
R181 : R R182 :	3111 8971 3112 9636	VR,SEMI 2.2KB	R1808		CARBON	2.21	0, (
R181 R R182 R	3112 9636		R1809		CARBON	1.2K	JA	1/4W
R181 R R182 R	3112 9636	VR,SEMI 2.2KB						
R181 PR R182 PR NDUCTORS) 1831	3112 9636	VR,SEMI 2.2KB COIL,INDUCTOR 6.8UHK	R1809		CARBON	1.2K	JA	1/4W
R181 PR R182 IR : NDUCTORS) 1831 R	3112 9636 4543 8766	VR,SEMI 2.2KB	R1809 R1810		CARBON CARBON	1.2K 1K 1.3K	JA JA JA	1/4W 1/4W 1/4W
R181 PR R182 PR PR PR PR R R R R R	3112 9636	VR,SEMI 2.2KB COIL,INDUCTOR 6.8UHK	R1809 R1810 R1811 R1812		CARBON CARBON CARBON CARBON	1.2K 1K 1.3K 5.6K	JA JA JA JA	1/4W 1/4W 1/4W 1/4W
R181 PR R182 PR PR PR PR R R R R R	3112 9636 4543 8766	VR,SEMI 2.2KB COIL,INDUCTOR 6.8UHK HF CHOKE 6.8UHK	R1809 R1810 R1811 R1812 R1813		CARBON CARBON CARBON CARBON CARBON	1.2K 1K 1.3K 5.6K 5.6K	JA JA JA JA	1/4W 1/4W 1/4W 1/4W 1/4W
R181 ::R R182 ::R R ::NDUCTORS) 1831 ::R R ::R 1832 ::R 1834 ::R	3112 9636 4543 8766	VR,SEMI 2.2KB COIL,INDUCTOR 6.8UHK HF CHOKE 6.8UHK COIL,INDUCTOR 22UHK	R1809 R1810 R1811 R1812 R1813 R1814		CARBON CARBON CARBON CARBON CARBON CARBON	1.2K 1K 1.3K 5.6K 5.6K 33K	JA JA JA JA JA	1/4W 1/4W 1/4W 1/4W 1/4W 1/4W
R181 R182 R 182 R NDUCTORS) 1831 R 1832 R	3112 9636 4543 8766 4543 3246	VR,SEMI 2.2KB COIL,INDUCTOR 6.8UHK HF CHOKE 6.8UHK COIL,INDUCTOR 22UHK HF CHOKE 22UHK	R1809 R1810 R1811 R1812 R1813		CARBON CARBON CARBON CARBON CARBON	1.2K 1K 1.3K 5.6K 5.6K	JA JA JA JA	1/4W 1/4W 1/4W 1/4W 1/4W

LOCATION PARTS NO.	DESCRIPTION	LOCATION PARTS NO.	DESCRIPTION
R1831	CARBON 470 JA 1/4W	COMPL.NO.6913 6641 (VCR:	3784N/SV ONLY)
R1832	CARBON 1K JA 1/4W	COMPL.NO.6913 6644 (VCR.)	
R1850	CARBON 1.8K JA 1/4W		
R1851	CARBON 330 JA 1/4W	(SEMICONDUCTORS)	
R1852	CARBON 22K JA 1/4W	Q5001 3614 7732	TR 2SK2083-FD13
R1853	CARBON 22K JA 1/4W	Q5002 3614 4448	TR 2SC3330-T-AC
R1854	CARBON 390 JA 1/4W	Q5003 3614 4541	TR 2SA1703-S-AN
R1855	CARBON 390 JA 1/4W		
R1856	CARBON 1.8K JA 1/4W	(INTEGRATED CIRCUITS)	
R1860	CARBON 470 JA 1/4W	IC511 3771 5863	C L5431-AA
R1869	CARBON 1.8K JA 1/4W	IC512 3771 6750	IC PQ12SZ11
R1901	MT-GLAZE 22K JA 1/10W	(DIODES)	
R1902	MT-GLAZE 27K JA 1/10W	D5001 3656 3652	DIODE DBC10G
R1903	MT-GLAZE 1K JA 1/10W	D5003 3656 3178	DIODE AP01C-V0
R1904	MT-GLAZE 100 JA 1/10W	D5004 3656 3131	DIODE 1SS244-T-77
R1905	MT-GLAZE 820 JA 1/10W	D5005 3656 3131	DIODE 1SS244-T-77
R1906	MT-GLAZE 2.7K JA 1/10W	D5006 3656 8809	ZENER DIODE GZB18C
R1907	MT-GLAZE 1M JA 1/10W	D5007 3656 3131	DIODE 1SS244-T-77
R1908 R1909	MT-FILM 1.2K FD 1/4W MT-FILM 1.1K FD 1/4W	D5008 3656 3131 D5011 △ 3681 1830	DIODE 1SS244-T-77
R1931	CARBON 82 JA 1/4W	D5011	PHOTO COUPLE PC120FB DIODE ERC30-02L38
R1932	CARBON 82 JA 1/4W	D5101 3050 3053 D5102 3656 3660	DIODE ERB84-009L38
111332	CANDON 62 JA 1/4VV	D5102 3050 3000 D5103 3656 3181	DIODE AG01-V2
R2901	CARBON 4.7 JA 1/4W	OR 3656 3080	DIODE ERA38-04-V5
R2902	CARBON 10 JA 1/4W	D5104 3656 3131	DIODE 1SS244-T-77
R2903	CARBON 180 JA 1/4W	D5105 3656 3181	DIODE AG01-V2
R2904	CARBON 120 JA 1/4W	OR 3656 3080	DIODE ERA38-04-V5
R2905	CARBON 1K JA 1/4W	D5109 3656 3455	ZENER DIODE MTZJ4.7B-T-77
R2906	CARBON 2.2K JA 1/4W	D5113 3656 3586	ZENER DIODE MTZJ18B-T-77
R2907	CARBON 180 JA 1/4W	D5114 3614 7684	THYRISTOR 3P4J
R2908 -	CARBON 1K JA 1/4W		
CORED DIAZD TRE 4		(INDUCTORS)	
COMPL PWB,TM-1		L5001	LINE FILTER(VCR 3784VPS/SV ONLY)
COMPL.NO.6913 6638		L5002	COIL,LINE FILTER FERRITE CORE
(REMOTE RECEIVERS)		L5101 4543 4006 L5102 4543 3724	COIL,INDUCTOR 10UH K
RR711 6913 6685	IR RECEIVER PACK UNIT	OR 4545 5724	INDUCTOR 10U K
OR	IR RECEIVER PACK UNIT	L5103 4654 1550	CORE
(DISPLAYS)		(TRANSFORMER)	
A7101 3686 1162	FLUORESCENT TUBE	T5001	TRANS,POWER,PULSE
OR	FLUORESCENT TUBE	(CAPACITORS)	
(MISCELLANEOUS)		C5001 A 3261 9057	MT-POLYEST 0.22U M 250V
8681 5261	HOLDER FL	C5002 A 3261 9056	MT-POLYEST 0.068U M 250V
		C5003 ⚠ 3261 9053	CERAMIC 470P M 400V
COMPL PCB,TM-8		C5004 🛕 3261 9054	CERAMIC 1500P M 400V
COMPL.NO.6913 0957 (VCR	3784VPS/SV ONLY)		(VCR 3784VPS/SV ONLY)
(11)		OR <u>A</u> 3261 9055	CERAMIC 2200P M 400V
(INTEGRATED CIRCUIT)	10 0D 4 TO 40 1/0D 0 TO 4/1D0/01/4 0 N II N/I	05010	(EXCEPT VCR 3784VPS/SV)
IC781 3771 5597	IC SDA5642(VCR 3784VPS/SV ONLY)	C5010 3422 0154	ELECT 47U M 400V
(CAPACITORS)		C5011 3422 0201	ELECT 1U M 400V
C7802	CERAMIC 150P J 50V	C5012 C5013	POLYESTER 0.018U J 50V POLYESTER 0.018U J 50V
J7002	(VCR 3784VPS/SV ONLY)	C5013 3422 0155	ELECT 2.2U M 250V
C7804	POLYESTER 0.1U J 50V	C5014 3422 0133	OS-SOLID 2.2U M 16V
	(VCR 3784VPS/SV ONLY)	C5017	POLYESTER 4700P J 50V
		C5101	ELECT 1000U M 16V
(RESISTORS)		C5102 3422 0809	ELECT 470U M 16V
R7805	MT-GLAZE 2.2K JA 1/10W	C5104	ELECT 1000U M 10V
	(VCR 3784VPS/SV ONLY)	C5105	ELECT 470U M 6.3V
R7806	MT-GLAZE 1M JA 1/10W	C5106	ELECT 47U M 50V
0700-	(VCR 3784VPS/SV ONLY)	C5107	ELECT 100U M 25V
R7807	MT-GLAZE 820K JA 1/10W	C5108	ELECT 220U M 6.3V
R7900	(VCR 3784VPS/SV ONLY)	C5109	MT-POLYEST 0.1U J 50V
R7808	MT-GLAZE 100K JA 1/10W (VCR 3784VPS/SV ONLY)	C5110 C5111	MT-POLYEST 0.1U J 50V CERAMIC 0.1U Z 50V
R7809	MT-GLAZE 10K JA 1/10W	C5112	ELECT 100U M 16V
	(VCR 3784VPS/SV ONLY)	0011Z	1000 101 100
R7810	MT-GLAZE 1.2M JA 1/10W	(RESISTORS)	
Dans	(VCR 3784VPS/SV ONLY)	R5001	CARBON 2.7M KA 1/2W
R7811	MT-GLAZE 100 JA 1/10W	R5010	OXIDE-MT 68K JA 2W
D304.0	(VCR 3784VPS/SV ONLY)	R5011	CARBON 1.5M JA 1/2W
R7812	MT-GLAZE 5.6K JA 1/10W	R5012	CARBON 22K JA 1/4W
			(0.111(1N) 0.001/ 1A 1/4\A/
	(VCR 3784VPS/SV ONLY)	R5014	CARBON 390K JA 1/4W
COMPLETAND DIAL 1	(VCR 3784VPS/SV ONLY)	R5015	CARBON 390K JA 1/4W
COMPL PWB,PW-1 COMPL.NO.6913 6674 (VCR			

LOCATION	PARTS NO.	DESCRIPTION	LOCATION PARTS NO	D. DESCRIPTION
		0.0001	0.000	TD -002
R5018		CARBON 33 JA 1/2W	Q8651	TR 2SD1991A-R-(TA)
R5019		CARBON 100 JA 1/2W	Q8652 3614 4614	TR 2SA1561-TL2-Q
R5020	3151 7910	OXIDE-MT 0.47 JA 1W	OR 3614 4492	TR 2SA1561-TL2-R
R5021	0.0.70.0	CARBON 27K JA 1/4W	OR	TR 2SB1320A-Q-(TA)
		•	OR	
R5022				TR 2SB1320A-R-(TA)
R5023		CARBON 22 JA 1/4W	Q8661 3614 4377	TR DTC144EL-TL2
R5024		CARBON 10K JA 1/4W	OR	TR UN6213-(TA)
R5025		CARBON 1K JA 1/4W	Q8662 3614 4379	TR 2SC4038-Q-TL2
R5103		CARBON 150 JA 1/4W	OR 3614 4378	TR 2SC4038-R-TL2
R5105		MT-FILM 560 FD 1/4W	OR	TR 2SD1991A-Q-(TA)
R5106		MT-FILM 620 FD 1/4W	OR	TR 2SD1991A-R-(TA)
			011	TH ZOD 1991A-TI-(TA)
R5107			(INITEON A TEN OID OF HEAD)	
R5108		CARBON 5.6K JA 1/4W	(INTEGRATED CIRCUITS)	
R5109		MT-FILM 82 FD 1/4W	IC851 3771 6592	IC TC4053BF(EXCEPT VCR 3784UK/VP)
R5112		CARBON 12K JA 1/4W	IC852 3771 6592	IC TC4053BF(EXCEPT VCR 3784UK/VP)
R5113		CARBON 430 JA 1/2W	IC861 3771 4675	IC BA7021(VCR 3784UK/VP ONLY)
		(EXCEPT VCR 3784N/SV)	OR 3771 5789	IC LA7221(VCR 3784UK/VP ONLY)
OR		CARBON 820 JA 1/2W	IC862 3771 6532	IC BA7630S(EXCEPT VCR 3784UK/VP)
OII		(VCR 3784N/SV ONLY)	10002 0771 0002	TO DAY GOOD (ENCE) TVOITOTOTOTOTOT
DE114			(DIODEC)	
R5114		CARBON 430 JA 1/2W	(DIODES)	751/50 0100 5 070- 4/4 07
		(EXCEPT VCR 3784N/SV)	D8601 3656 3392	ZENER DIODE GZS5.6X-BT
OR		CARBON 820 JA 1/2W		(VCR 3784UK/VP ONLY)
		(VCR 3784N/SV ONLY)	OR 3656 3081	ZENER DIODE MTZ5.6B-T-77
R5118		CARBON 8.2K JA 1/4W		(VCR 3784UK/VP ONLY)
R5119		CARBON 2.2K JA 1/4W	D8602 3656 3392	ZENER DIODE GZS5.6X-BT
	3151 7955	FUSIBLE RES 1.5 JA 1/4W	2002 0000	(VCR 3784UK/VP ONLY)
	2 3131 7333		OR 3656 3081	
R5121		CARBON 22 JB 1/4W	OR 3656 3081	ZENER DIODE MTZ5.6B-T-77
				(VCR 3784UK/VP ONLY)
(FUSE)			D8603 3656 2770	DIODE GMA01-BT
F5001 ∠	4375 2124	FUSE 250V 2.5A		(EXCEPT VCR 3784UKNP)
			OR 3656 2230	DIODE 1SS133-T-77
CONNECTO)RI			(EXCEPT VCR 3784UKNP)
	4144 8342	CONNECTOR, INLET	D8604 3656 2770	DIODE GMA01-BT
CINDUI ZE		•	D8604 3656 2770	
	8681 4988	HOLDER,FUSE,F5001		(EXCEPT VCR 3784UKNP)
			OR 3656 2230	DIODE 1SS133-T-77
COMPL P	WB,TB-1			(EXCEPT VCR 3784UK/VP)
COMPL.NO.	6913 6647 (VCF	3784UKNP ONLY)	D8605 3656 2770	DIODE GMA01-BT
		3784N/SV ONLY)		(EXCEPT VCR 3784UKNP)
		3784VPS/SV ONLY)	OR 3656 2230	DIODE 1SS133-T-77
COIVII E.IVO.	0313 0043 (40)	3704V1 3/3V ONLT)	011 3030 2230	
CEMOOND	LIOTORO)		2000 2000 2770	(EXCEPT VCR 3784UK/VP)
(SEMICOND	-	TO MONAGE WEVER DIT MODERN AUGUST AND AUGUST AND AUGUST AND AUGUST AND AUGUST AUGUST AND	D8606 3656 2770	DIODE GMA01-BT
Q8601	3614 4690	TR KSA1175-Y(EXCEPT VCR 3784UK/VP)		(EXCEPT VCR 3784UKNP)
OR	3614 4942	TR 2SA608-E-SPA-AC	OR 3656 2230	DIODE 1SS133-T-77
		(EXCEPT VCR 3784UK/VP)		(EXCEPT VCR 3784UK/VP)
OR	3614 5281	TR 2SA608-F-SPA-AC	D8607 3656 2770	DIODE GMA01-BT
		(EXCEPT VCR 3784UK/VP)		(EXCEPT VCR 3784UK/VP)
OR	3614 4542	TR 2SA933S-TP-Q	OR 3656 2230	DIODE 1SS133-T-77
011	0014 4042	(EXCEPT VCR 3784UK/VP)	O11 0000 2200	(EXCEPT VCR 3784UK/VP)
OB	2014 5540		D0000 20F0 2000	
OR	3614 5540	TR 2SA933S-T93-R	D8608 3656 3392	
			20000 0002	ZENER DIODE GZS5.6X-BT
Q8602	2614 4600	(EXCEPT VCR 3784UK/VP)		(EXCEPT VCR 3784UK/VP)
OR	3614 4690	TR KSA1175-Y(EXCEPT VCR 3784UK/VP)	OR 3656 3081	
O11	3614 4690 3614 4942			(EXCEPT VCR 3784UK/VP)
		TR KSA1175-Y(EXCEPT VCR 3784UK/VP)		(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77
OR		TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC	OR 3656 3081	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP)
	3614 4942	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC	OR 3656 3081 D8609 3656 3392	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP)
OR	3614 4942 3614 5281	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP)	OR 3656 3081	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77
	3614 4942	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q	OR 3656 3081 D8609 3656 3392 OR 3656 3081	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP)
OR OR	3614 4942 3614 5281 3614 4542	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT
OR	3614 4942 3614 5281	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP)
OR OR	3614 4942 3614 5281 3614 4542	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT
OR OR	3614 4942 3614 5281 3614 4542	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77
OR OR OR	3614 4942 3614 5281 3614 4542 3614 5540	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR 2SA934S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP)
OR OR OR OR Q8603	3614 4942 3614 5281 3614 4542 3614 5540	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT
OR OR OR	3614 4942 3614 5281 3614 4542 3614 5540	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP)
OR OR OR OR O8603 OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77
OR OR OR OR Q8603	3614 4942 3614 5281 3614 4542 3614 5540	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP)
OR OR OR OR Q8603 OR Q8604	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS15Y-BT
OR OR OR OR O8603 OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP3-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP)
OR OR OR OR Q8603 OR Q8604	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS15Y-BT
OR OR OR OR Q8603 OR Q8604	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP3-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS15Y-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS15Y-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77
OR OR OR OR O8603 OR O8604 OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP3-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 3575	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS15Y-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP)
OR OR OR OR O8603 OR O8604 OR O8605	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 3575 D8651 3656 2770	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS15Y-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT
OR OR OR OR O8603 OR O8604 OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 3575 D8651 3656 2770 OR 3656 2230	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT DIODE 1SS133-T-77
OR OR OR OR O8603 OR O8604 OR O8605 OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 3575 D8651 3656 2770 OR 3656 2230 D8697 3656 3575	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT DIODE 1SS133-T-77 ZENER DIODE MTZJ15B-T-77
OR OR OR OR O8603 OR O8604 OR O8605	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 3575 D8651 3656 2770 OR 3656 2230	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT DIODE 1SS133-T-77
OR OR OR OR O8603 OR O8604 OR O8605 OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R (EXCEPT VCR 3784UK/VP) TR 2SB1320A-Q-(TA) (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 3575 D8651 3656 2770 OR 3656 2230 D8697 3656 3575 OR 3656 3060	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT DIODE 1SS133-T-77 ZENER DIODE MTZJ15B-T-77
OR OR OR OR O8603 OR O8604 OR O8605 OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R (EXCEPT VCR 3784UK/VP) TR 2SB1320A-Q-(TA) (EXCEPT VCR 3784UK/VP) TR 2SB1320A-Q-(TA) (EXCEPT VCR 3784UK/VP) TR 2SB1320A-R-(TA)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 3575 D8651 3656 2770 OR 3656 2230 D8697 3656 3575	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT DIODE 1SS133-T-77 ZENER DIODE MTZJ15B-T-77
OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R (EXCEPT VCR 3784UK/VP) TR 2SB1320A-Q-(TA) (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 2230 D8697 3656 2230 D8697 3656 3050 (CAPACITORS) C8502	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT DIODE 1SS133-T-77 ZENER DIODE MTZJ15B-T-77
OR OR OR OR Q8603 OR Q8604 OR Q8605 OR OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377 3614 4377	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R (EXCEPT VCR 3784UK/VP) TR 2SB1320A-Q-(TA) (EXCEPT VCR 3784UK/VP) TR 2SB1320A-Q-(TA) (EXCEPT VCR 3784UK/VP) TR 2SB1320A-R-(TA)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3081 D8612 3656 3060 OR 3656 2230 D8697 3656 2230 D8697 3656 3575 OR 3656 3060	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS15Y-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT DIODE SS133-T-77 ZENER DIODE MTZJ15B-T-77
OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377 3614 4377 3614 4614 3614 4492	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-R (EXCEPT VCR 3784UK/VP) TR 2SB1320A-Q-(TA) (EXCEPT VCR 3784UK/VP) TR 2SB1320A-Q-(TA) (EXCEPT VCR 3784UK/VP) TR 2SB1320A-R-(TA) (EXCEPT VCR 3784UK/VP)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 2230 D8697 3656 2230 D8697 3656 3050 (CAPACITORS) C8502	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS15Y-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT DIODE 1SS133-T-77 ZENER DIODE MTZJ15B-T-77 ZENER DIODE GZS15Y-BT
OR OR OR OR Q8603 OR Q8604 OR Q8605 OR OR	3614 4942 3614 5281 3614 4542 3614 5540 3614 4377 3614 4377 3614 4614 3614 4492	TR KSA1175-Y(EXCEPT VCR 3784UK/VP) TR 2SA608-E-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA608-F-SPA-AC (EXCEPT VCR 3784UK/VP) TR 2SA933S-TP-Q (EXCEPT VCR 3784UK/VP) TR 2SA933S-T93-R (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR DTC144EL-TL2 (EXCEPT VCR 3784UK/VP) TR UN6213-(TA) (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-Q (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-G (EXCEPT VCR 3784UK/VP) TR 2SA1561-TL2-G (EXCEPT VCR 3784UK/VP) TR 2SB1320A-Q-(TA)	OR 3656 3081 D8609 3656 3392 OR 3656 3081 D8610 3656 3392 OR 3656 3081 D8611 3656 3392 OR 3656 3081 D8612 3656 3060 OR 3656 2230 D8697 3656 2230 D8697 3656 3050 (CAPACITORS) C8502	(EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS5.6X-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZ5.6B-T-77 (EXCEPT VCR 3784UK/VP) ZENER DIODE GZS15Y-BT (EXCEPT VCR 3784UK/VP) ZENER DIODE MTZJ15B-T-77 (EXCEPT VCR 3784UK/VP) DIODE GMA01-BT DIODE 1SS133-T-77 ZENER DIODE MTZJ15B-T-77 ZENER DIODE GZS15Y-BT

OCATION PARTS NO.	DESCRIPTION		····	LOCATION	PARTS NO.	DESCRIPTION		
8506	CERAMIC 1000P	J	50V	R8616		CARBON 4.7K	JA	1/4V
8508	CERAMIC 1000P	J	50V			(EXCEPT VCR 3784UK/VP)		
	CERAMIC 220P	Ĵ	50V	R8617		CARBON 4.7K	JA	1/4V
8513				110017			JA	1/→٧
3522	CERAMIC 220P	J	50V			(EXCEPT VCR 3784UK/VP)		
3524	CERAMIC 220P	J	50V	R8618		CARBON 4.7K	JΑ	1/4V
8526	CERAMIC 1000P	J	50V			(EXCEPT VCR 3784UK/VP)		
8528	CERAMIC 1000P	Ĵ	50V	R8619		CARBON 4.7K	JΑ	1/4
		-		110010		(EXCEPT VCR 3784UK/VP)	0, 1	,,
8533	CERAMIC 220P	J	50V					4 1 43
8551	CERAMIC 1000P	j	50V	R8620		CARBON 1K	JA	1/4\
	(EXCEPT VCR 3784UK/VP)					(EXCEPT VCR 3784UK/VP)		
8552	CERAMIC 1000P	J	50V	R8621		CARBON 1K	JA	1/4\
.0002		J	307	110021		(EXCEPT VCR 3784UK/VP)		.,
	(EXCEPT VCR 3784UK/VP)							
8601	ELECT 10U	М	16V	R8623		CARBON 47K	JA	1/4\
8602	ELECT 10U	M	16V			(EXCEPT VCR 3784UK/VP)		
8603	CERAMIC 100P	J	50V	R8624		CARBON 2.2K	JA	1/4\
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(VCR 3784VPS/SV ONLY)	•	•••			(EXCEPT VCR 3784UK/VP)		•
		-	F0\/	DOCCE			I.A.	1 / 41
8604	CERAMIC 0.1U	Z	50V	R8625		CARBON 4.7K	JA	1/4\
	(VCR 3784UK/VP ONLY)					(EXCEPT VCR 3784UK/VP)		
8605	CERAMIC 0.1U	Z	50V	R8626		CARBON 330	JΑ	1/4\
8607	CERAMIC 0.01U	M	16V	R8627		CARBON 330	JΑ	1/4\
,6007		IVI	104					
	(EXCEPT VCR 3784UK/VP)			R8628		CARBON 4.7K	JA	1/4\
8608	ELECT 47U	M	6.3V			(EXCEPT VCR 3784UK/VP)		
	(EXCEPT VCR 3784UK/VP)			R8629		CARBON 1.2K	JA	1/4\
8609	ELECT 470U	М	6.3V			(EXCEPT VCR 3784UK/VP)		
,0003		1 1 1	0. 0 v	DOCE 1			I۸	1//\
	(EXCEPT VCR 3784UK/VP)			R8651			JA	1/4\
28610	NP-ELECT 0.47U	M	50V	R8652		CARBON 5.6K	JA	1/4\
	(EXCEPT VCR 3784UK/VP)			R8653		CARBON 5.6K	JA	1/4\
28611	NP-ELECT 0.47U	М	50V	R8654		CARBON 56	JA	1/4\
		Z	50V 50V	R8655		CARBON 12K	JA	1/4\
28651	CERAMIC 0.1U	2	500					
				R8656		CARBON 8.2K	JA	1/4
RESISTORS)				R8657		CARBON 4.7K	JA	1/4
R8501	CARBON 1K	JA	1/4W			(VCR 3784UK/VP ONLY)		
			•	R8661		CARBON 27K	JA	1/4\
R8502	CARBON 1K	JA	1/4W					
R8503	CARBON 680	JA	1/4W	R8662		CARBON 3K	JA	1/4\
R8504	CARBON 680	JA	1/ 4W	R8663		CARBON 1.2K	JA	1/4\
R8505	CARBON 220K	JA	1/4W					
	CARBON 1K	JΑ	1/4W	(JACKS)				
R8506		JA	1/4VV			COCKET		
	(EXCEPT VCR 3784UK/VP)			JK851		SOCKET,		
R8508	CARBON 1K	JA	1/4W	JK852		SOCKET,		
R8509	CARBON 680	JA	1/4W	JK853		SOCKET,		
10303	***************************************	V A	,,,,,,,	JK854		SOCKET,		
	(EXCEPT VCR 3784UK/VP)			JN834		SUCKET,		
R8512	CARBON 1K	JA	1 /4W					
	(EXCEPT VCR 3784UK/VP)			(CONNECTO	ORS)			
R8521	CARBON 1K	JA	1/4W	CN871	· -•	SOCKET.21P		
			•					
R8522		JA	1/4W	CN872		SOCKET,21P		
R8523	CARBON 680	JA	1/4W					
R8524	CARBON 680	JA	1/4W	COMPL P	WB.TN-5			
	CARBON 220K	JA	1/4W		.6913 6676 (VCR	3784HKA/P ONLY)		
R8525								
R8528	CARBON 1K	JA	1/4W	COMPL.NO.	.6913 6642 (VCR	3784N/SV ONLY)		
R8529	CARBON 680	JA	1/4W					
	(EXCEPT VCR 3784UK/VP)			(SEMICOND	OUCTORS)			
00001	·	iΛ	1/4\A/	Q6701	3614 4466	TR 2SC2412K-T96-R		
R8601	•	JA	1/4W	20/01	JU14 4400		,	
R8602	CARBON 75	JA	1/4W	_		(EXCEPT VCR 3784VPS/SV)	ł	
R8603	CARBON 1K	JA	1/4W	OR	3614 5272	TR 2SC2412K-T96-S		
	(VCR 3784UK/VP ONLY)					(EXCEPT VCR 3784VPS/SV))	
R8604		JA	1/4W	OR	3614 4383	TR 2SC2812-L5-TB		
10004	• • •	JA	1/7**	On	0017 7000		1	
	(VCR 3784UK/VP ONLY)					(EXCEPT VCR 3784VPS/SV)	1	
R8605	CARBON 1K	JA	1/ 4 W	OR	3614 4635	TR 2SC2812-L6-TB		
	(VCR 3784UK/VP ONLY)					(EXCEPT VCR 3784VPS/SV))	
29606	CARBON 820	JA	1/4W	Q6702	3614 4466	TR 2SC2412K-T96-R		
R8606		JH	1/*** ¥	40/02	JU14 4400		١	
	(EXCEPT VCR 3784UK/VP)			_		(EXCEPT VCR 3784VPS/SV)	1	
R8607	CARBON 820	JA	1/ 4W	OR	3614 5272	TR 2SC2412K-T96-S		
	(EXCEPT VCR 3784UK/VP)					(EXCEPT VCR 3784VPS/SV))	
Poene		JΑ	1/4W	OR	3614 4383	TR 2SC2812-L5-TB		
R8608	CARBON 39	JA	1/4¥¥	On	JU14 4303		1	
	(EXCEPT VCR 3784UK/VP)					(EXCEPT VCR 3784VPS/SV)	l	
R8609	CARBON 33	JA	1/4W	OR	3614 4635	TR 2SC2812-L6-TB		
	(EXCEPT VCR 3784UK/VP)					(EXCEPT VCR 3784VPS/SV)	}	
2004.0	•	14	1/4\4/			(2/1027) 40/10/04/13/3/		
R8610	CARBON 820	JA	1/4W	4r				
	(EXCEPT VCR 3784UK/VP)			(INTEGRAT	ED CIRCUITS)			
R8611	CARBON 820	JΑ	1/4W	IC671	3771 6754	IC TDA8205(EXCEPT VCR 3	3784V	PS/SV
10011		U/1	.,			·		
	(EXCEPT VCR 3784UK/VP)		. ()	IC672	3771 6753	IC TDA8204(EXCEPT VCR 3)/ 04 V	r3/3\
	CARBON 39	JA	1/4W	IC673	3771 6746	IC LA6458M-T1		
R8612	(EXCEPT VCR 3784UK/VP)					(EXCEPT VCR 3784VPS/SV))	
R8612	(L/1040NVF)	14	1 (4\A)			,2,,02, 1 40110704410/04		
	CARROLL	JA	1/4W					
	CARBON 33			IODVOTAL I	OFVICE)			
R8612 R8613				(CRYSTAL I	OLVIOL;			
R8613	(EXCEPT VCR 3784UK/VP)		1/4\\/			OSC CRYSTAL 11 6/19M/LIT	,	
	(EXCEPT VCR 3784UK/VP) CARBON 100	JA	1/4W	X6701	4421 8808	OSC,CRYSTAL 11.648MHZ		
R8613	(EXCEPT VCR 3784UK/VP) CARBON 100 (EXCEPT VCR 3784UK/VP)		•			OSC,CRYSTAL 11.648MHZ (EXCEPT VCR 3784VPS/SV)		
R8613	(EXCEPT VCR 3784UK/VP) CARBON 100		1/4W 1/4W					

(CERAMIC RE	PARTS NO.	DESCRIPTION			PARTS NO.	DESCRIPTION		
	4552 6822	TRAP, CERAMIC 5.5MHZ		C6730		ELECT 10U (EXCEPT VCR 3784VPS/SV)	M	16V
OB	4550 0040	(VCR 3784N/SV ONLY)		C6731		CERAMIC 5600P	K	50V
OR	4552 6842	TRAP, CERAMIC 6.0MHZ				(EXCEPT VCR 3784VPS/SV)		
XF672	4552 7519	(VCR 3784UK/VP ONLY)	N 11 N 12	C6732		CERAMIC 2200P	K	50V
_	4552 7519 4552 6980	FILTER,5.85MHZ(VCR 3784N/SV OF FILTER,5.85MHZ B.P.F	NLY)	00700		(EXCEPT VCR 3784VPS/SV)		
•	1002 0000	(VCR 3784N/SV ONLY)		C6733		CERAMIC 2700P	K	50V
OR	4552 6935	FILTER, 6.552MHZ(VCR 3784UK/VP	ONLY	C6734		(EXCEPT VCR 3784VPS/SV) ELECT 10U		
OR	4552 6979	FILTER,6.552MHZ B.P.F	011217	00734		ELECT 10U (EXCEPT VCR 3784VPS/SV)	М	16V
		(VCR 3784UK/VP ONLY)		C6735		CERAMIC 0.01U	K	50V
						(EXCEPT VCR 3784VPS/SV)	K	307
INDUCTORS)				C6737			М	16V
_670'i	4543 3252	COIL, INDUCTOR 15UHK				(EXCEPT VCR 3784VPS/SV)		
_6702	45.40, 0010	(VCR 3784UK/VP ONLY)		C6738			M	16V
-0/02	4543 3610	COIL, INDUCTOR 2.2UHJ (EXCEPT VCR 3784VPS/SV)		0		(EXCEPT VCR 3784VPS/SV)		
OR		HF CHOKE 2.2UHJ		C6739			М	16V
271		(EXCEPT VCR 3784VPS/SV)		C6740		(EXCEPT VCR 3784VPS/SV)		
-6703	4543 3610	COIL,INDUCTOR 2.2UHJ		C0740			M	16V
		(EXCEPT VCR 3784VPS/SV)		C6743		(EXCEPT VCR 3784VPS/SV) CERAMIC 0.01U	L/	501
)R		HF CHOKE 2.2UHJ		00743		CERAMIC 0.01U (EXCEPT VCR 3784VPS/SV)	K	50V
		(EXCEPT VCR 3784VPS/SV)		C6745		a a-	М	1617
.6704	4543 3610	COIL, INDUCTOR 2.2UHJ				(EXCEPT VCR 3784VPS/SV)	1 V 1	16V
		(EXCEPT VCR 3784VPS/SV)		C6746			М	16V
DR		HF CHOKE 2.2UHJ				(EXCEPT VCR 3784VPS/SV)		100
		(EXCEPT VCR 3784VPS/SV)		C6747		CERAMIC 0.01U	K	50V
CADACITORS	ì					(EXCEPT VCR 3784VPS/SV)		
Capacitors) 16701	,	CEDANAIC	-0.4	C6753		CERAMIC 0.01U	K	50V
0/01		CERAMIC 0.01U K	50V			(EXCEPT VCR 3784VPS/SV)		
6702		(EXCEPT VCR 3784VPS/SV)	T-01.4	C6757			M	6.3V
0702		CERAMIC 0.01U K (EXCEPT VCR 3784VPS/SV)	50V	00750		(EXCEPT VCR 3784VPS/SV)		
6703		CERAMIC 0.01U K	50V	C6758		CERAMIC 680P	J	50V
		(EXCEPT VCR 3784VPS/SV)	30V			(EXCEPT VCR 3784VPS/SV)		
6704			50V	(RESISTORS)				
		(EXCEPT VCR 3784VPS/SV)		R6701		MT-GLAZE 270 "	1	/4.0\4/
6708			50V			(EXCEPT VCR 3784VPS/SV)	IA 1	/10W
		(EXCEPT VCR 3784VPS/SV)		R6702		MT-GLAZE 2.7K J	Δ 1	/10W
6709		CERAMIC 220P J	50V			(EXCEPT VCR 3784VPS/SV)	^ '	/10VV
0740		(EXCEPT VCR 3784VPS/SV)		R6703		MT-GLAZE 10K J	A 1	/10W
6710		CERAMIC 0.1U Z	50V			(EXCEPT VCR 3784VPS/SV)		
6711		(EXCEPT VCR 3784VPS/SV)		R6704		MT-GLAZE 2.2K J	A 1,	/10W
0711		CERAMIC 6800P K (EXCEPT VCR 3784VPS/SV)	50V	D. 272-		(EXCEPT VCR 3784VPS/SV)		
6712			50V	R6705		MT-GLAZE 100 J	A 1,	/10W
		(EXCEPT VCR 3784VPS/SV)	204	R6706		(EXCEPT VCR 3784VPS/SV)		
6713			50V	NO/U0		MT-GLAZE 270 J	A 1,	/10W
		(EXCEPT VCR 3784VPS/SV)	J0V	R6707		(EXCEPT VCR 3784VPS/SV)		(4.0) 4.1
3714		0==	50V	110707		MT-GLAZE 82 J	A 1,	/10W
		(EXCEPT VCR 3784VPS/SV)	55	R6715		EXCEPT VCR 3784VPS/SV) MT-GLAZE 43K J	۸ ،	14 OLA /
3715			3.3V	110710		MT-GLAZE 43K J. EXCEPT VCR 3784VPS/SV)	4 1/	/10W
		(EXCEPT VCR 3784VPS/SV)		R6716		MT-GLAZE 15K j	۸ 1	/10\//
6716		ELECT 47U M	16V	- · · -		VCR 3784UK/VP ONLY)	۱/	/10W
74.7		(EXCEPT VCR 3784VPS/SV)		OR		MT-GLAZE 22K J	Δ 1/	/10W
717			50V			VCR 3784N/SV ONLY)	,	
710		(EXCEPT VCR 3784VPS/SV)		R6717		MT-GLAZE 5.6K JA	A 1/	/10W
718			50V		(EXCEPT VCR 3784VPS/SV)	-,	
719		(EXCEPT VCR 3784VPS/SV)	-014	R6718	1	VIT-GLAZE 43K JA	A 1/	10W
710			50V	Dan :		EXCEPT VCR 3784VPS/SV)	,	
720		(EXCEPT VCR 3784VPS/SV) CERAMIC 6800P K	=0\/	R6719		MT-GLAZE 5.6K JA	1/	10W
. = 0		CERAMIC 6800P K 5 (EXCEPT VCR 3784VPS/SV)	50V	D6700		EXCEPT VCR 3784VPS/SV)		
721			50V	R6720		MT-GLAZE 1M JA	1/	10W
		(EXCEPT VCR 3784VPS/SV)		R6722		EXCEPT VCR 3784VPS/SV) //T-GLAZE 150 JA		10147
722		ELECT 10U M 1	16V	1,0,22		/IT-GLAZE 150 JA EXCEPT VCR 3784VPS/SV)	4 1/	10W
		(EXCEPT VCR 3784VPS/SV)		R6723		=XCEP1 VCR 3784VPS/SV) AT-GLAZE 39K JA	1.11	10W
723		ELECT 10U M 1	16V			EXCEPT VCR 3784VPS/SV)	1/	1044
70.4		(EXCEPT VCR 3784VPS/SV)		R6726		MT-GLAZE 68K JA	1/	10W
724			.3V			EXCEPT VCR 3784VPS/SV)	. 17	
725		(EXCEPT VCR 3784VPS/SV)		R6727		1T-GLAZE 68K JA	1/1	10W
725		_	50V			EXCEPT VCR 3784VPS/SV)	''	
727		(EXCEPT VCR 3784VPS/SV)	.=	R6728	٨	NT-GLAZE 2.2K JA	. 1/1	10W
121		CERAMIC 5600P K 5	50V		(8	EXCEPT VCR 3784VPS/SV)	•	
28		(EXCEPT VCR 3784VPS/SV)	:0) (R6729	N	1T-GLAZE 2.7K JA	1/1	10W
-0		CERAMIC 2700P K 5 (EXCEPT VCR 3784VPS/SV)	50V	D0700		XCEPT VCR 3784VPS/SV)		
729			:0\/	R6730		1T-GLAZE 2.2K JA	. 1/1	10W
		CERAMIC 2200P K 5 (EXCEPT VCR 3784VPS/SV)	60V		(E	EXCEPT VCR 3784VPS/SV)		

LOCATION PARTS N	O. DESCRIPTION		LOCATION	PARTS NO.	DESCRIPTION
R6731	MT-GLAZE 15K JA 1/	10W	J6703		MT-GLAZE 0.000 ZA 1/10W
	(EXCEPT VCR 3784VPS/SV)				(VCR 3784UK/VP ONLY)
R6732	MT-GLAZE 15K JA 1/	10W	J6704		MT-GLAZE 0.000 ZA 1/10W
	(EXCEPT VCR 3784VPS/SV)				(VCR 3784N/SV ONLY)
R6733	MT-GLAZE 68K JA 1/	10W	J6705		MT-GLAZE 0.000 ZA 1/10W
	(EXCEPT VCR 3784VPS/SV)		00.00		(VCR 3784N/SV ONLY)
R6734		10W	J6706		MT-GLAZE 0.000 ZA 1/10W
	(EXCEPT VCR 3784VPS/SV)		55.55		(VCR 3784N/SV ONLY)
R6735		10W	J6715		MT-GLAZE 0.000 ZA 1/10W
	(EXCEPT VCR 3784VPS/SV)		00710		(EXCEPT VCR 3784VPS/SV)
R6736		10W	J6726		MT-GLAZE 0.000 ZA 1/10W
	(EXCEPT VCR 3784VPS/SV)		00720		(EXCEPT VCR 3784VPS/SV)
R6737	• •	10W	J6730		MT-GLAZE 0.000 ZA 1/10W
	(EXCEPT VCR 3784VPS/SV)		00.00		(EXCEPT VCR 3784VPS/SV)
R6738		10W	J6740		MT-GLAZE 0.000 ZA 1/10W
	(EXCEPT VCR 3784VPS/SV)		00740		(VCR 3784UK/VP ONLY)
R6739	MT-GLAZE 15K JA 1/	10W	J6741		MT-GLAZE 0.000 ZA 1/10W
	(EXCEPT VCR 3784VPS/SV)		00711		(VCR.3784N/SV ONLY)
R6740	MT-GLAZE 22K JA 1/	10W			(1011.070411/01 01121/
	(EXCEPT VCR 3784VPS/SV)		COMPL,M	IC-1	
R6741	MT-GLAZE 22K JA 1/	10W	COMPL.NO.		
	(EXCEPT VCR 3784VPS/SV)		COIVII E.IVO.	0010 1100	
R6742		10W	(DIODE)		
	(EXCEPT VCR 3784VPS/SV)		D8001	3683 1088	PHOTO COUPLE SPI-315-04-C
R6743		1 0W	OR	3683 1102	PHOTO DIODE ON2170-R
	(EXCEPT VCR 3784VPS/SV)		On	3003 1102	THOTO BIODE ONZITON
R6745		10W	(RESISTOR)		
	(EXCEPT VCR 3784VPS/SV)		R8001		CARBON 270 JA 1/4W
R6748		/4W	OR		CARBON 270 JA 1/6W
	(EXCEPT VCR 3784VPS/SV)	1744	R8002		CARBON 100 JA 1/4W
R6750		/4W	OR		CARBON 100 JA 1/6W
	(EXCEPT VCR 3784VPS/SV)	1-11	On		CARDON 100 JA 1/000
R6751		10W	(SWITCH)		
110701	(EXCEPT VCR 3784VPS/SV)	1011	S8001	4112 9704	SPECIAL SWITCH
	(EXCELL VOIL 3/04 VT 3/3 V)		30001	4112 9704	SPECIAL SVVITCH
(JUMPERS)			FLEXIBLE	FLAT CABLE	
J6701	MT-GLAZE 0.000 ZA 1/10W			4131 4290	FLEXIBLE FLAT CABLES,CP-1 - MC-2
	(VCR 3784UK/VP ONLY)				
J6702	MT-GLAZE 0.000 ZA 1/10W				
	(VCR 3784UK/VP ONLY)				



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VCR 3784 HIFI VPS/SV VCR 3784 HIFI N/SV VCR 3784 HIFI UK/VP

BLOCK DIAGRAMS, CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS

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NOTES:

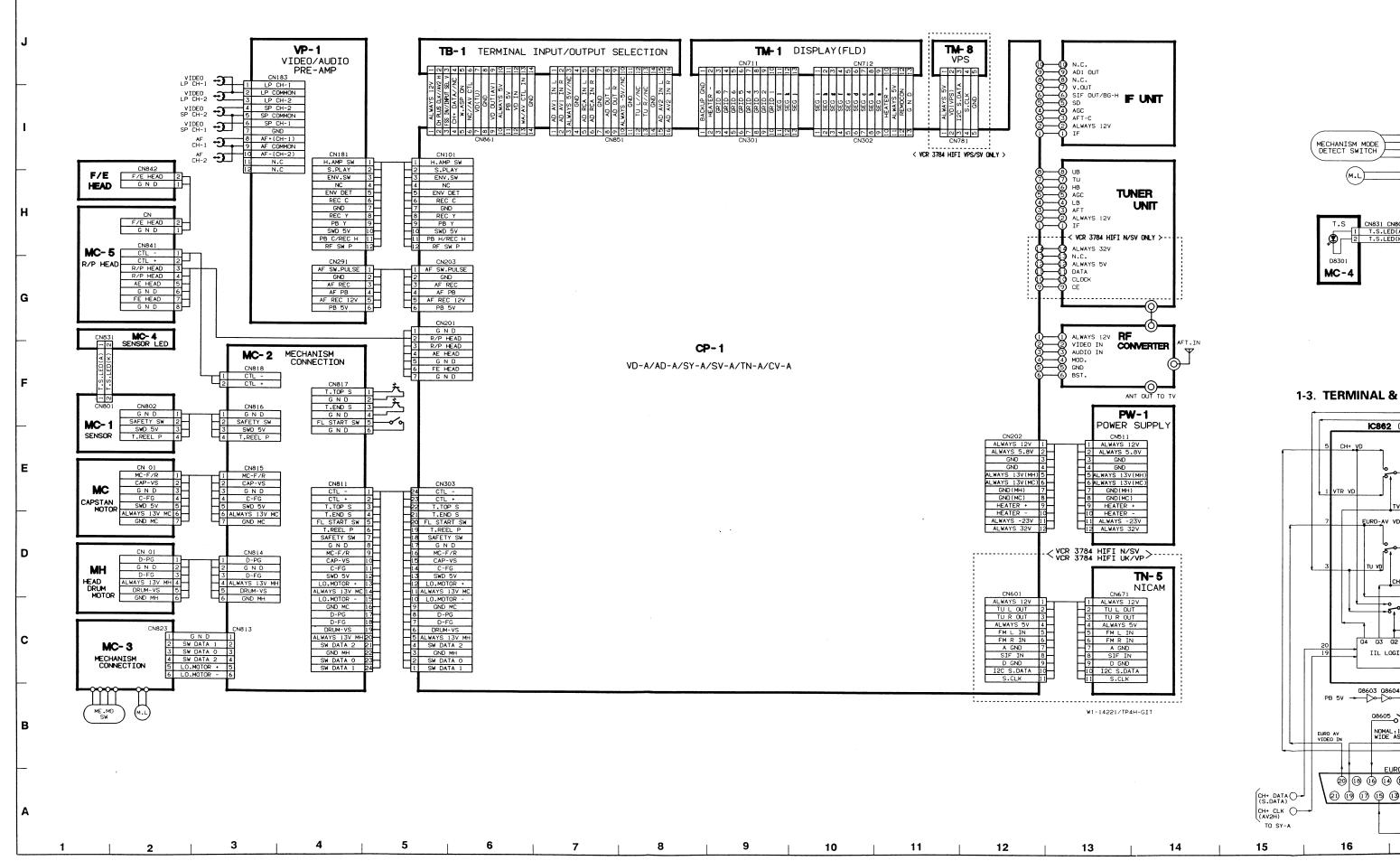
- 1. All resistance values in "OHMS" unless otherwise noted. (K=1,000 M=1,000,000)
- 2. All capacitance values in " μfd " unless otherwise noted. p=pico farad
- 3. All inductance values in "mH"unless otherwise noted. μ=micro henry.

PRODUCT SAFETY NOTICE

THE COMPONENTS DESIGNATED BY A SYMBOL () IN THIS SCHEMATIC DIAGRAM DESIGNATES COMPONENTS WHOSE VALUE ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A SYMBOL NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

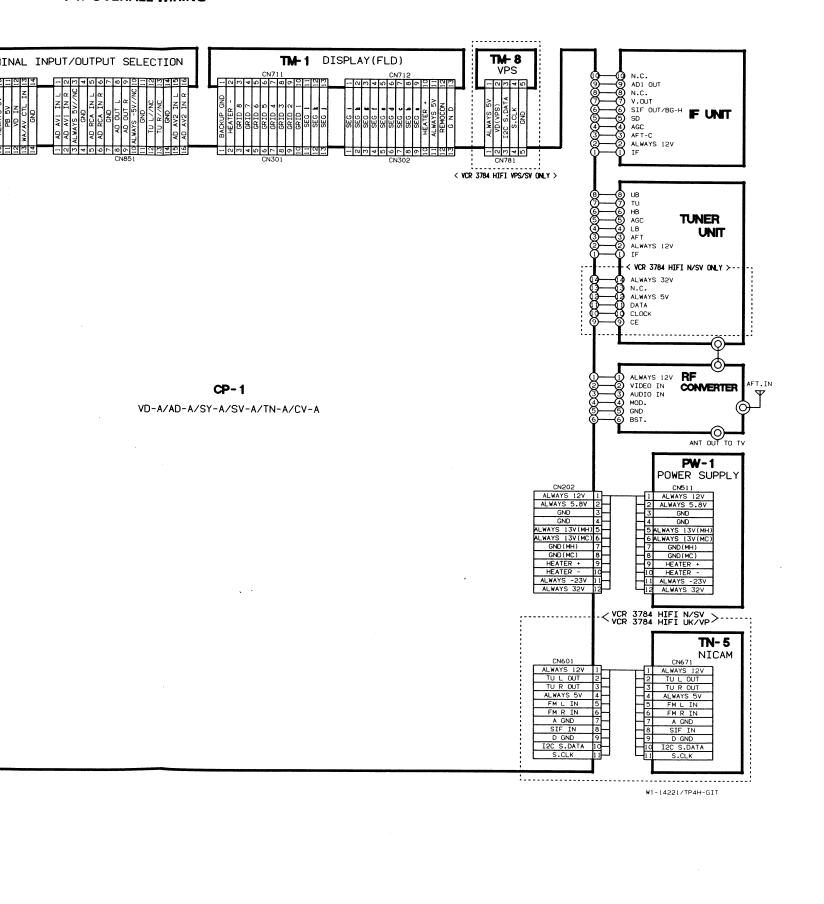
1. OVERALE WINING, MECHANISM CONNECTION, & DECON DIAGN

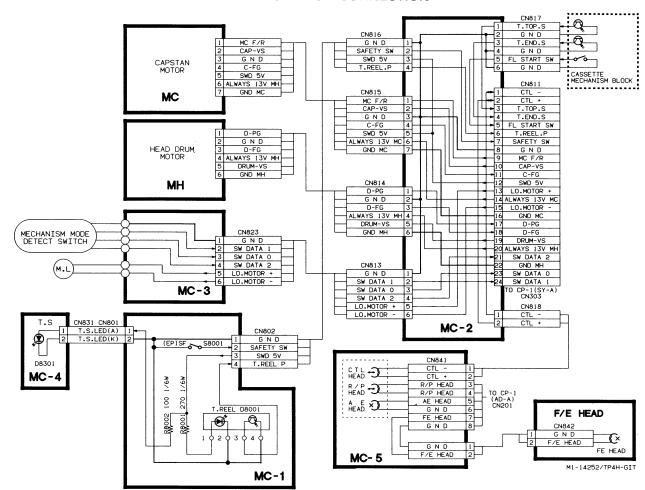
1-1. OVERALL WIRING



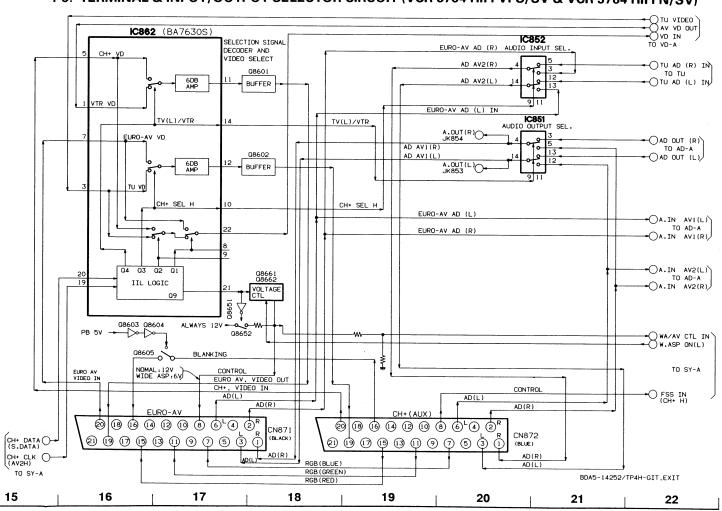
1-2. MECHANISM CONNECTION

1-1. OVERALL WIRING





1-3. TERMINAL & INPUT/OUTPUT SELECTOR CIRCUIT (VCR 3784 HIFI VPS/SV & VCR 3784 HIFI N/SV)



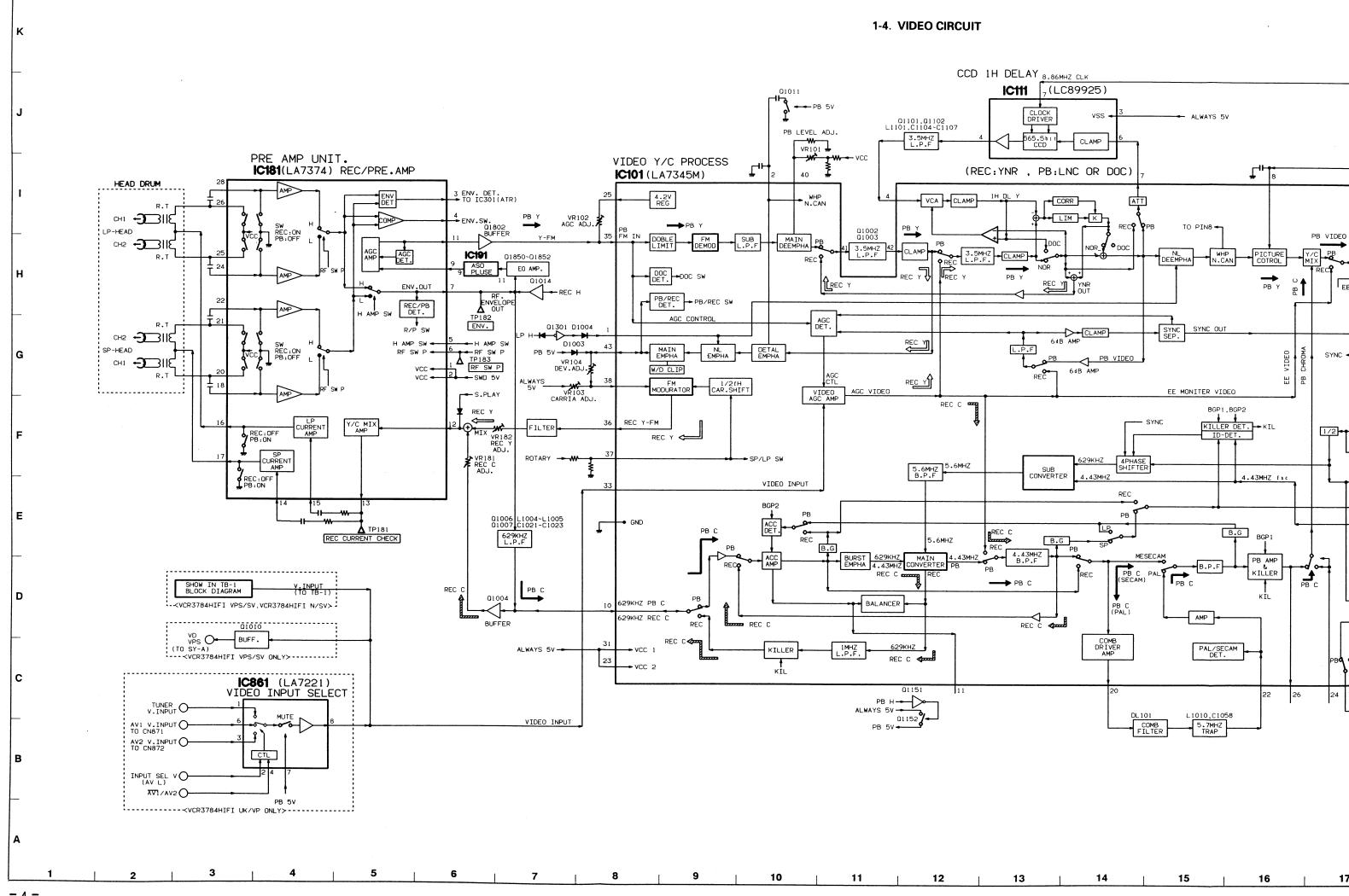
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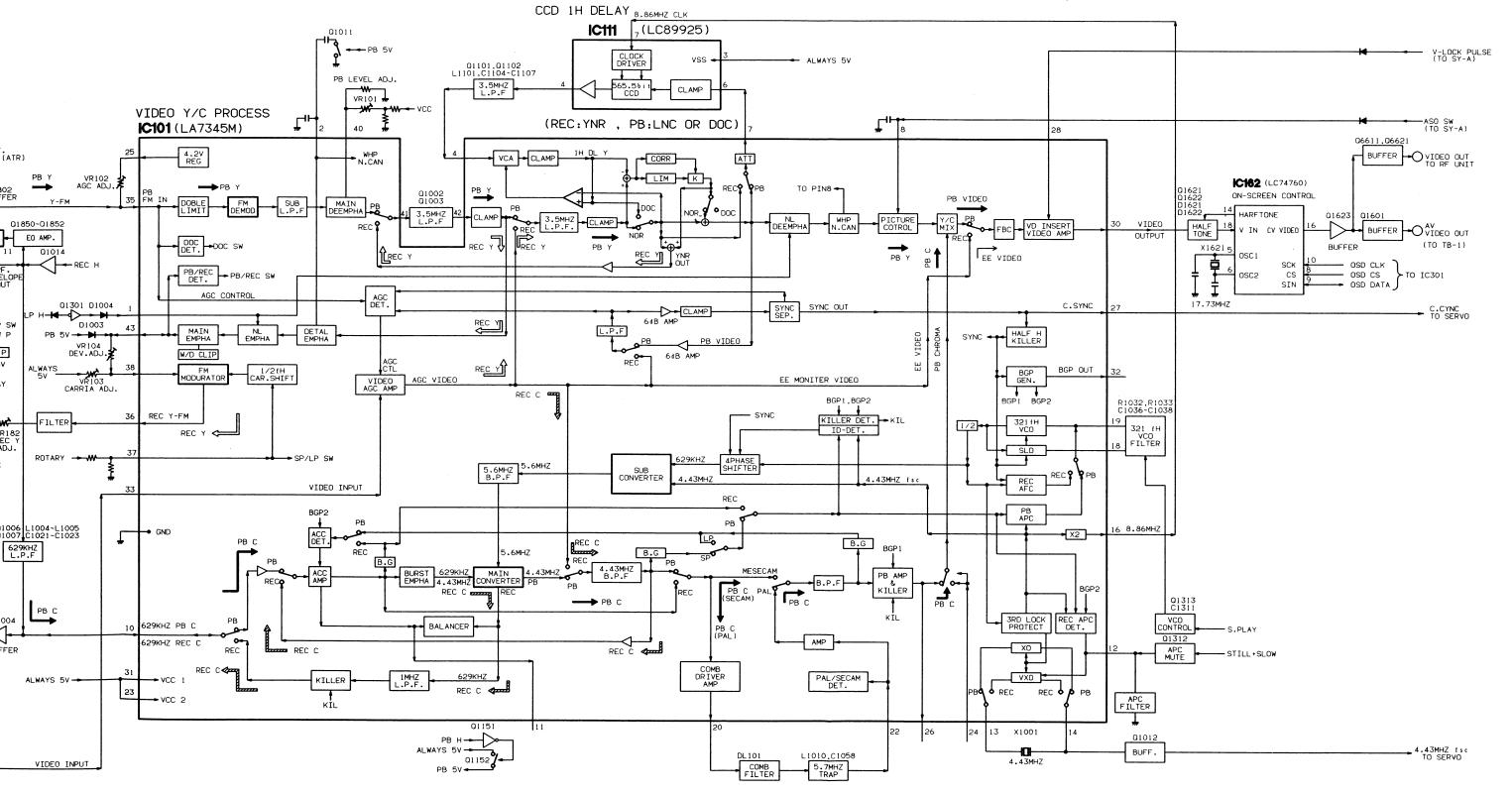
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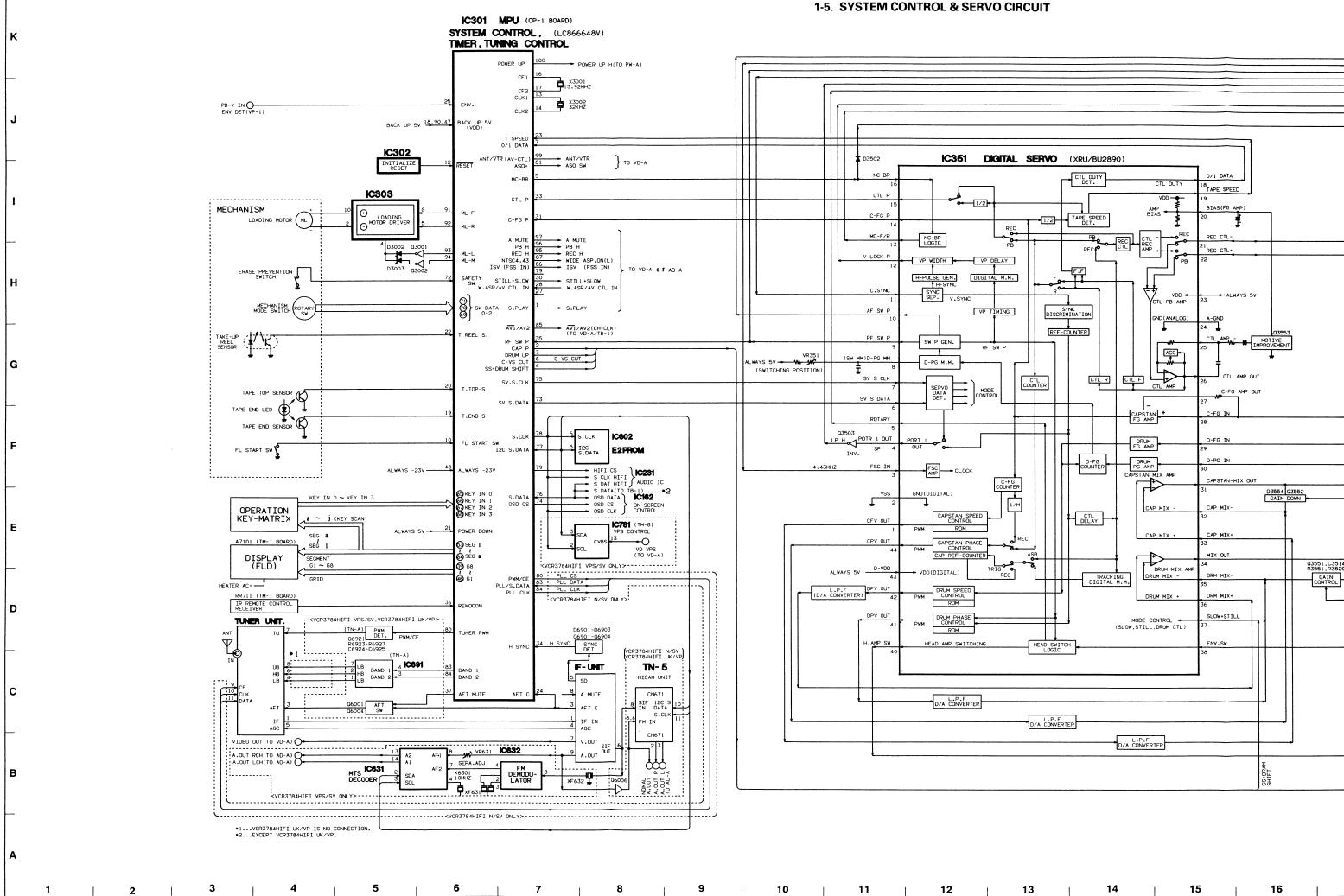
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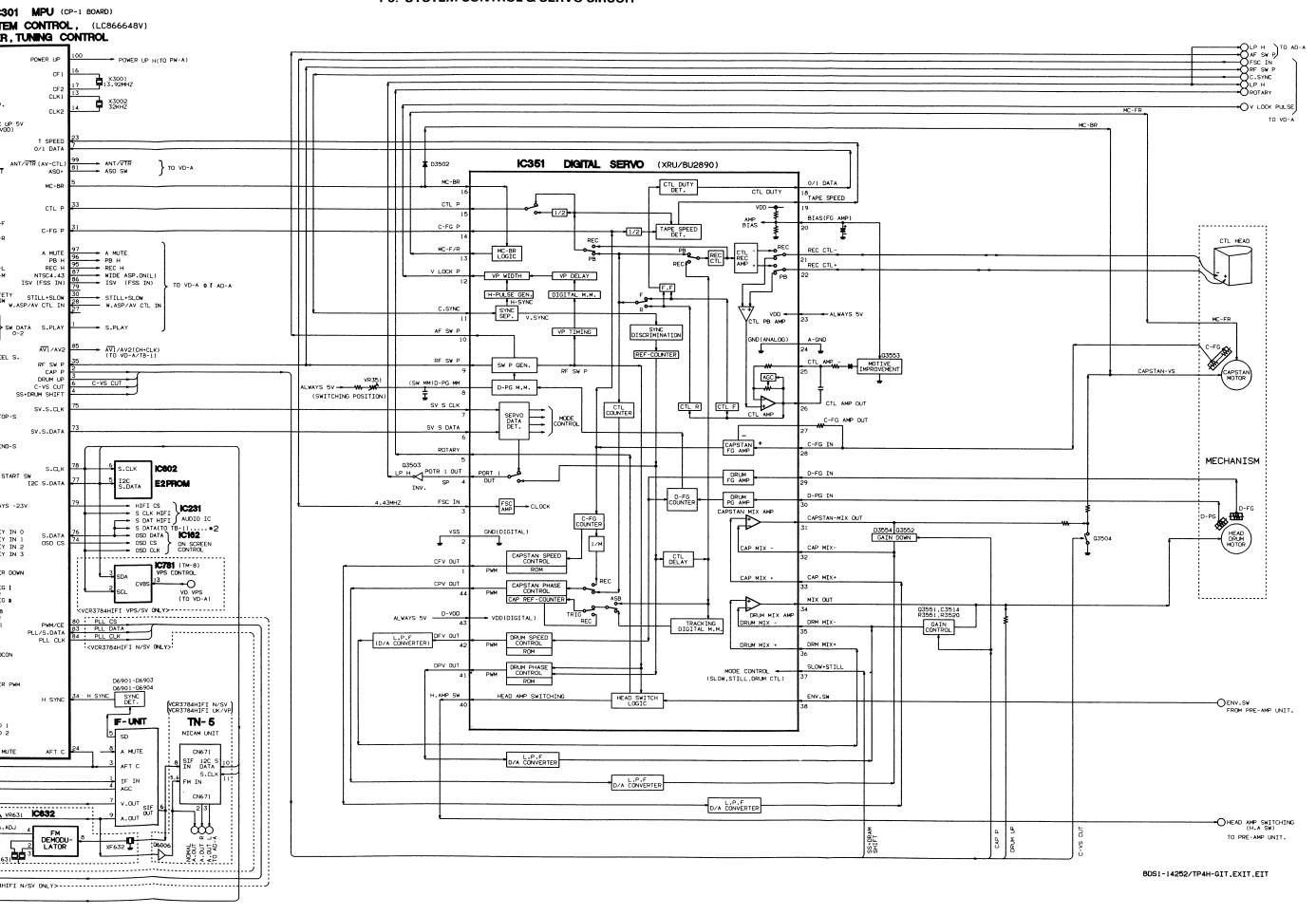


1-4. VIDEO CIRCUIT



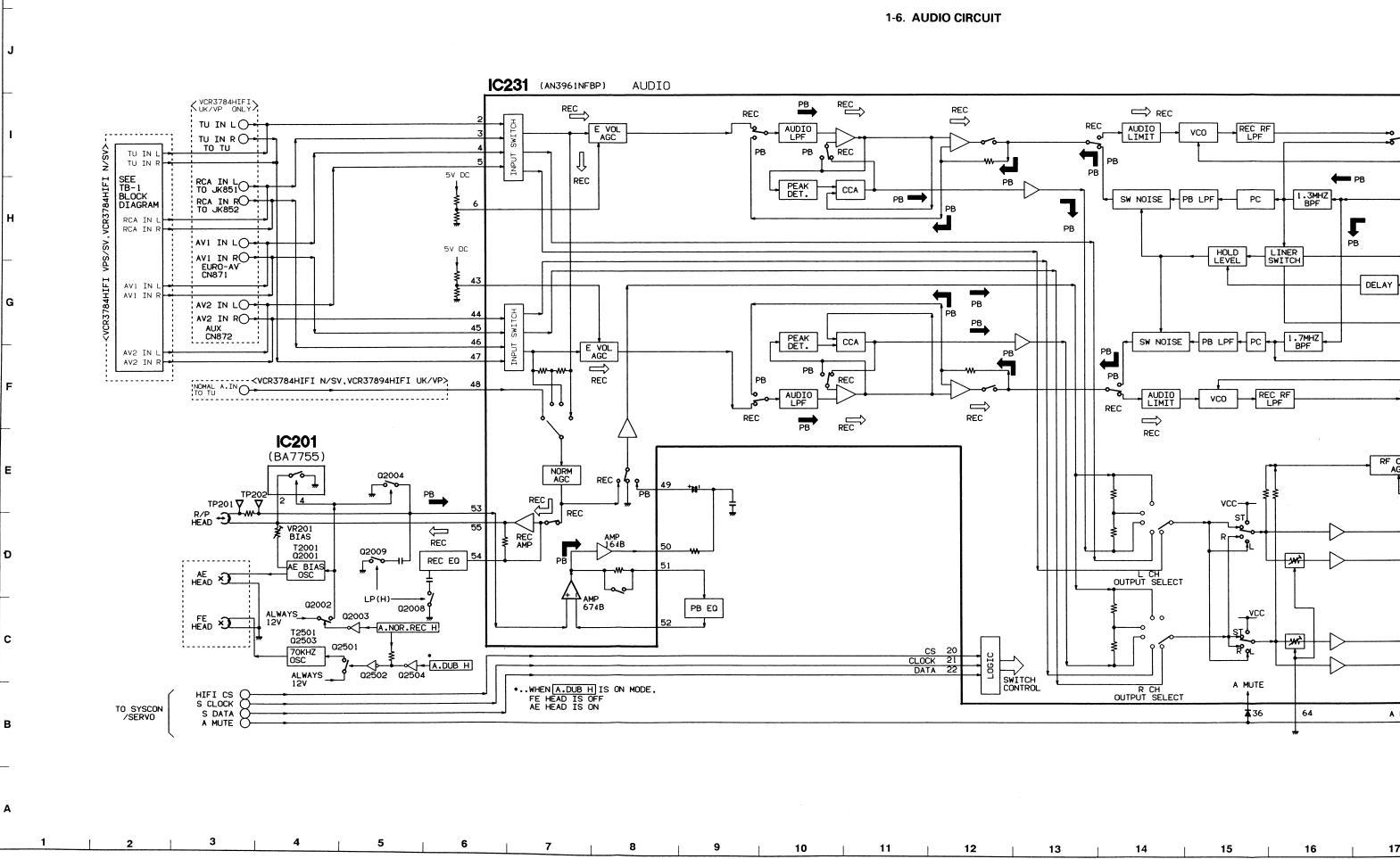
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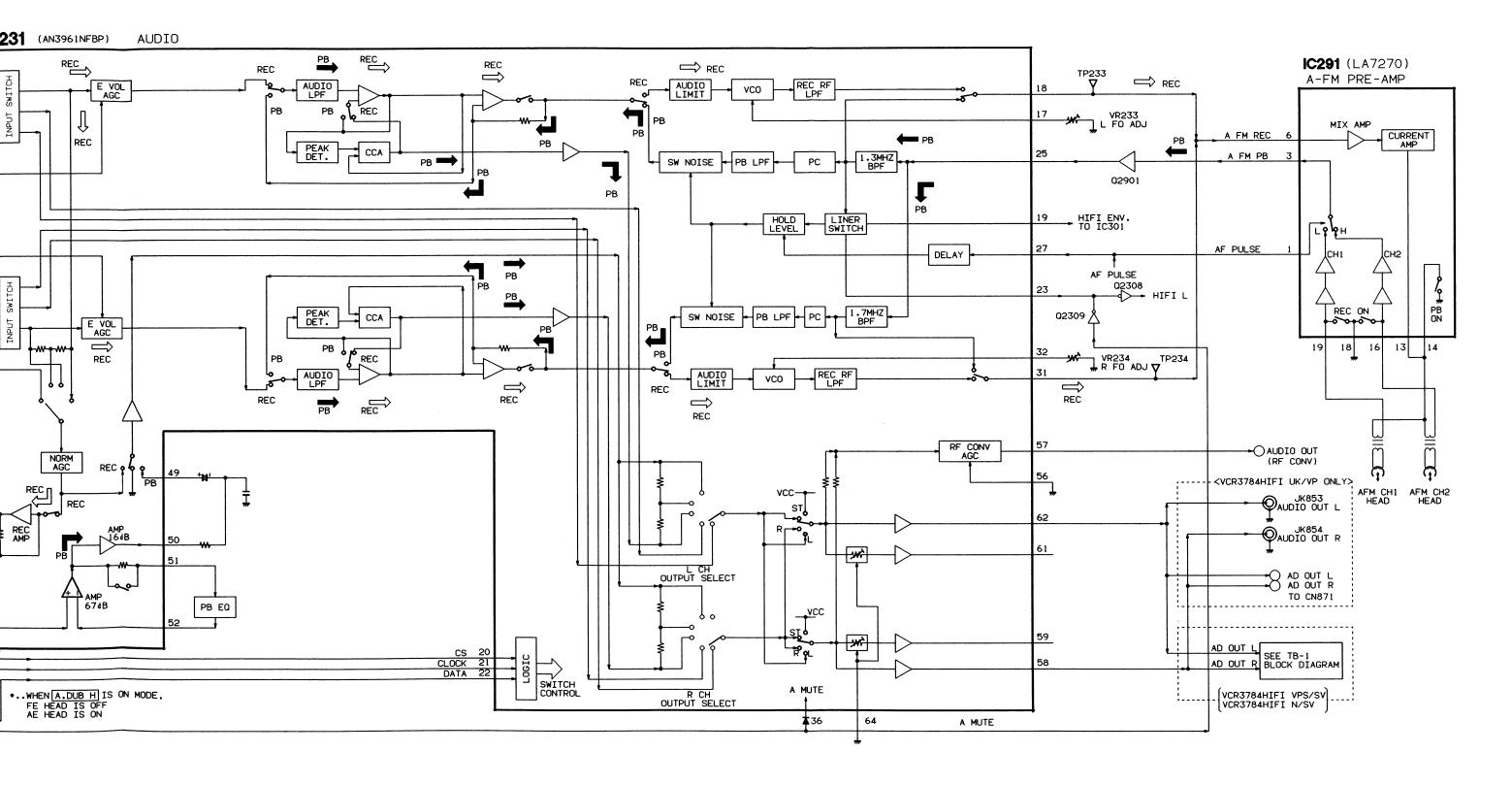
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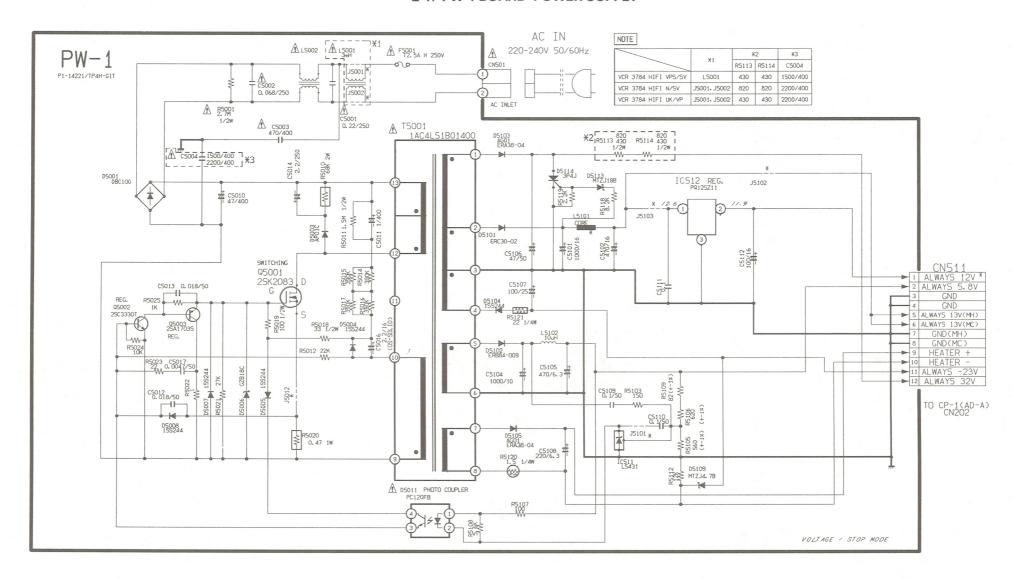
1-6. AUDIO CIRCUIT



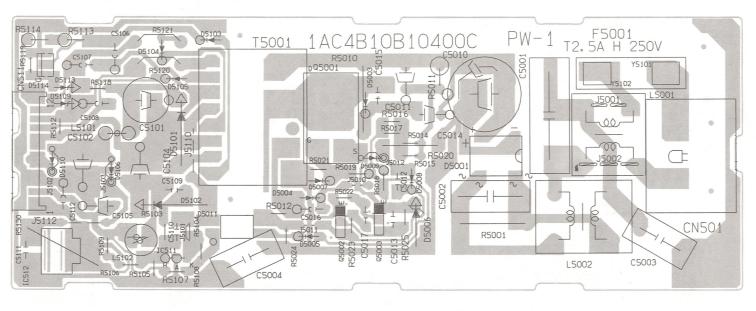
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2. CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS (P.W.B.)

2-1. PW-1 BOARD POWER SUPPLY



2-2. PW-1 P.W.B.

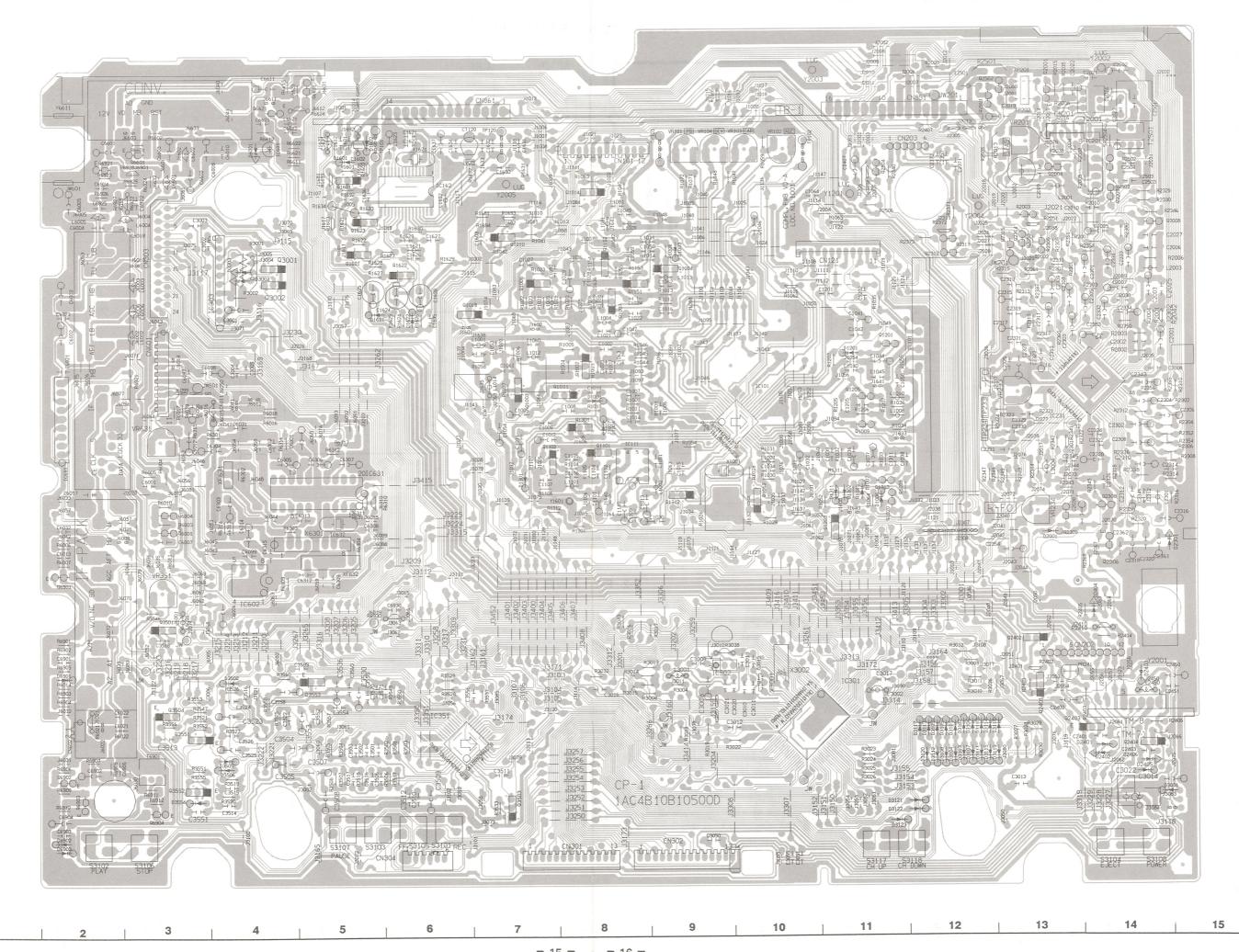


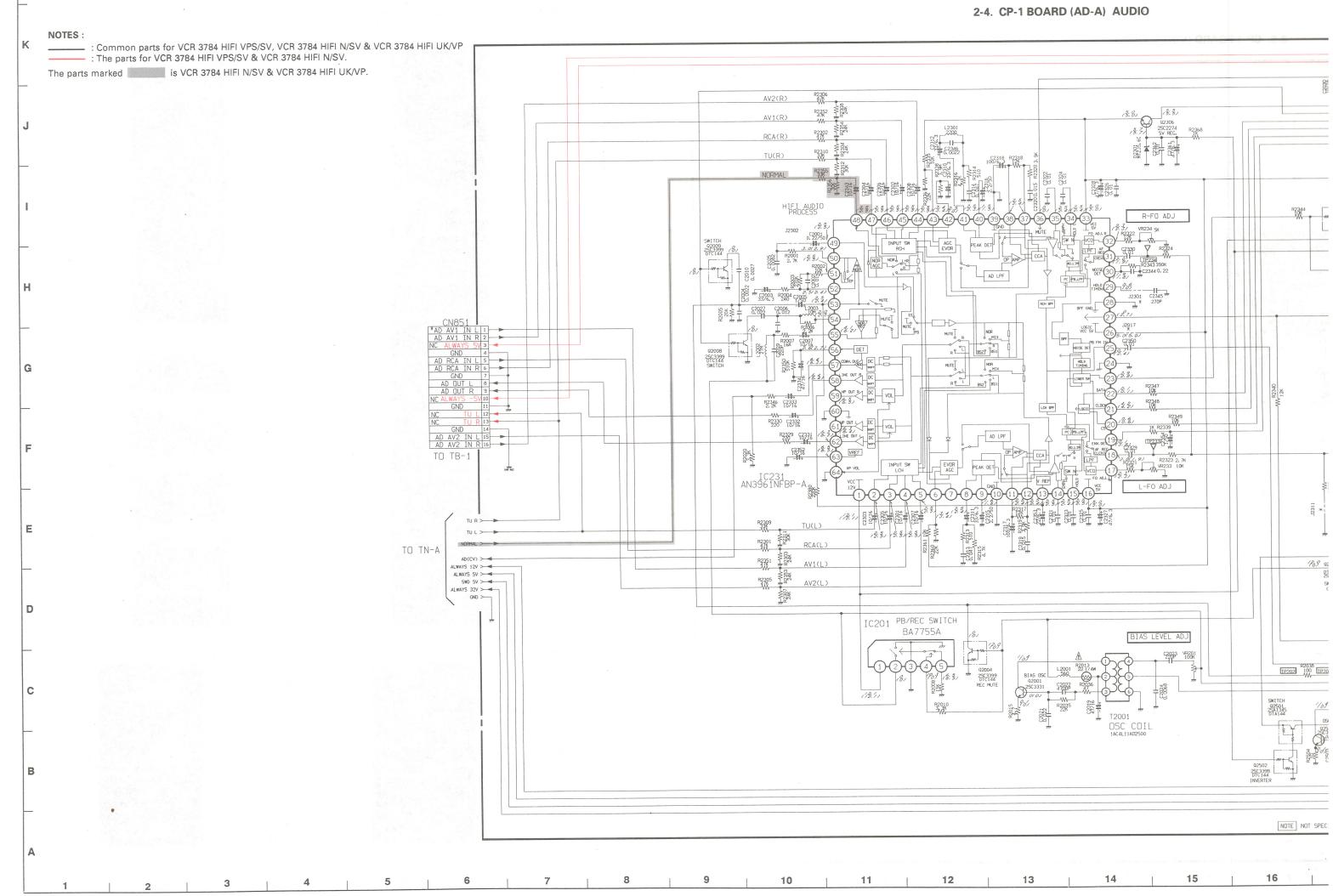
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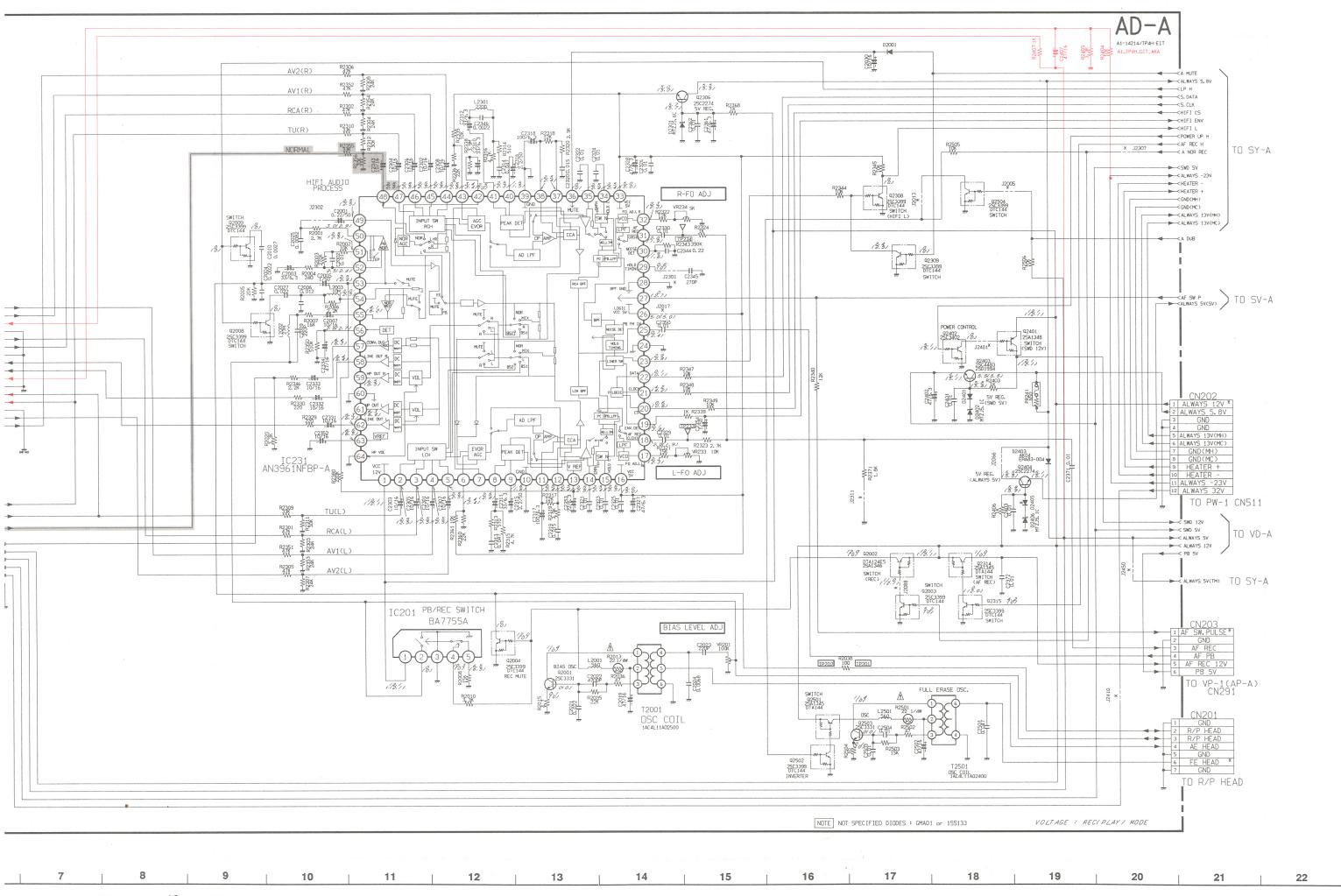
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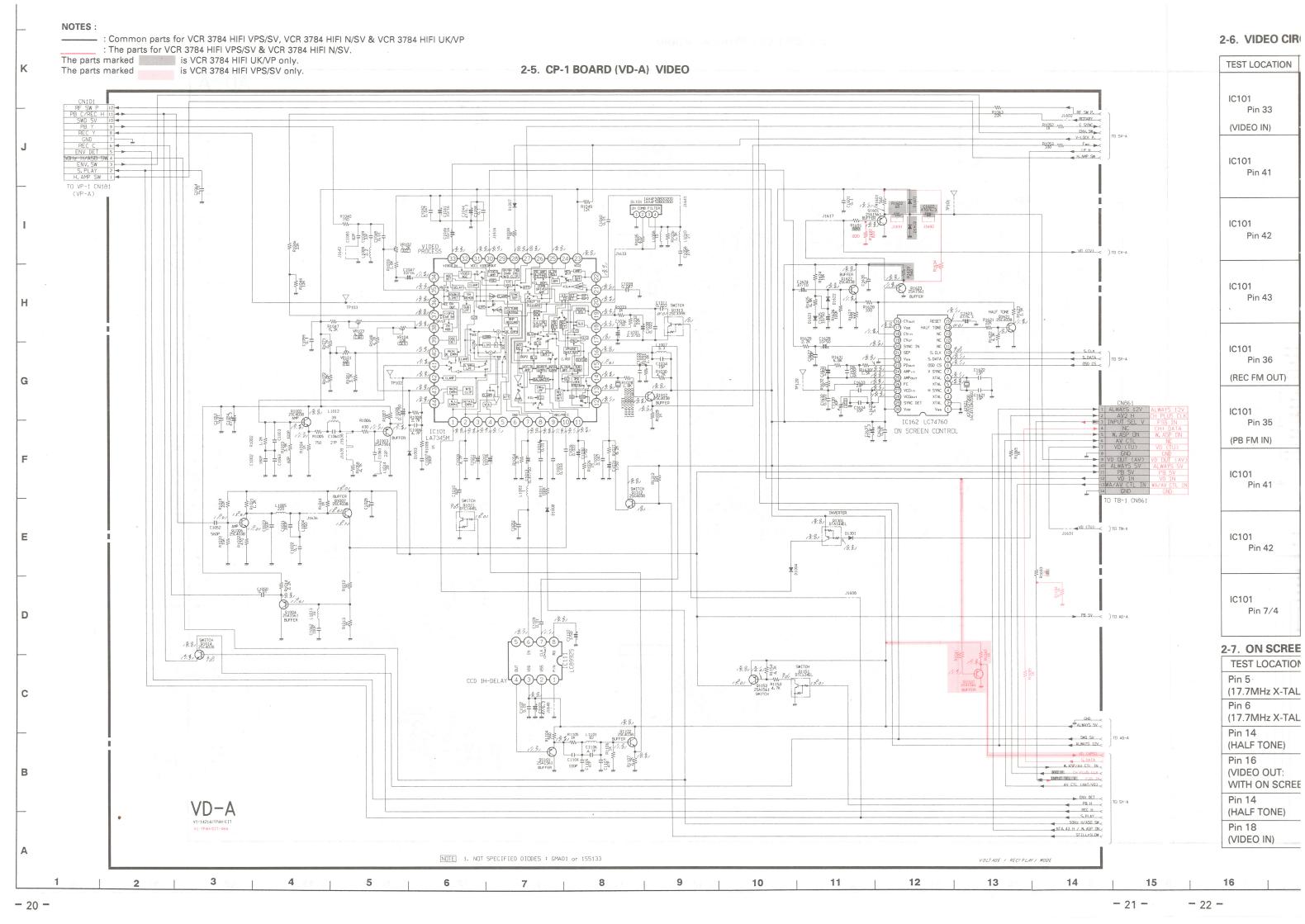
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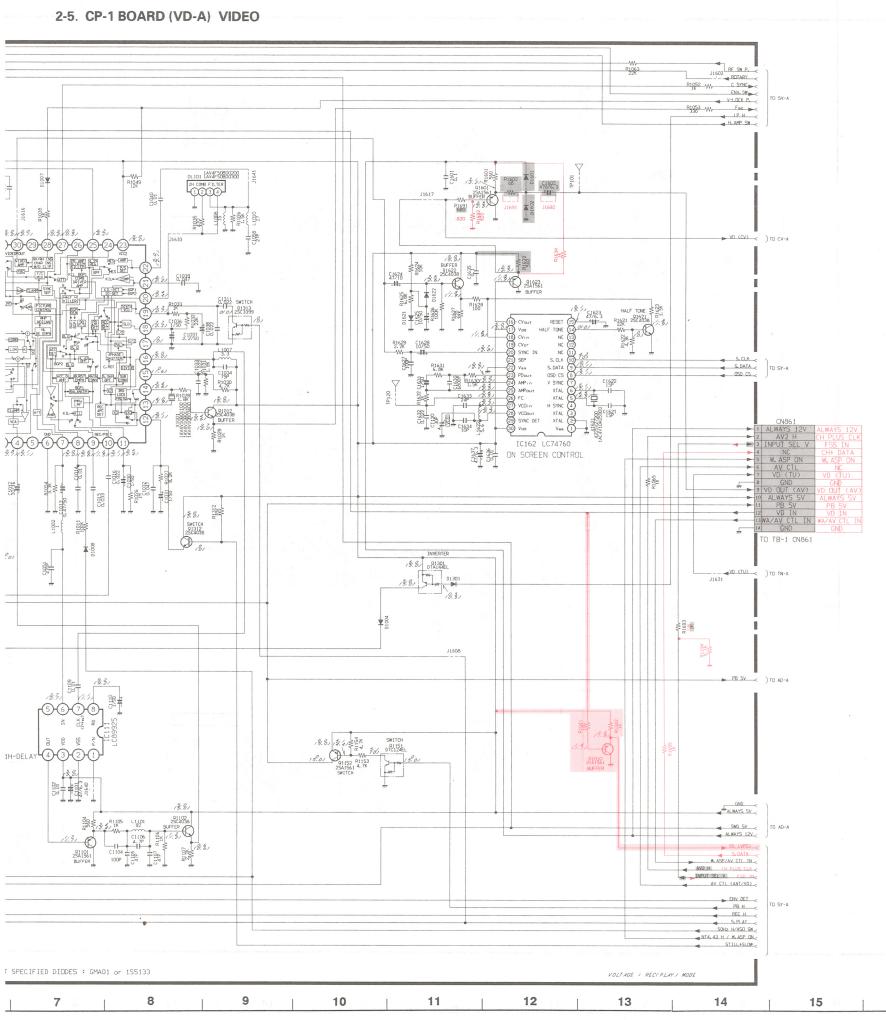
12











2-6. VIDEO CIRCUIT WAVEFORMS

WF-V-TP TEST LOCATION WAVEFORM MODE/LEVEL TEST LOCATION WAVEFORM MODE/LEVEL IC101 REC, EE IC101 PB Pin 33 1 Vp-p Pin 30 2.5 Vp-p (VIDEO IN) (VIDEO OUT) IC101 IC101 REC, EE REC, EE Pin 41 0.6 Vp-p 2 Vp-p Pin 30 (VIDEO OUT) IC101 STILL (UPPER) (UPPER) IC101 REC, EE Pin 30 2 Vp-p 0.5 Vp-p Pin 42 (LOWER) (LOWER) Pin 28 5 Vp-p IC101 REC, EE IC101 REC, EE Pin 43 1.2 Vp-p Pin 10 0.4 Vp-p (REC CHROMA OUT) A TOTAL PROPERTY. IC101 REC, EE Q1006 PB Pin 36 1.0 Vp-p 0.3 Vp-p Base للدينة للأستناه القابلة ال (REC FM OUT) (PB CHROMA) IC101 PB Q1007 Pin 35 0.3 Vp-p Emitter 0.2 Vp-p (PB FM IN) (PB CHROMA) IC101 PB IC101 PB Pin 10 Pin 41 0.5 Vp-p 0.2 Vp-p (PB CHROMA IN) IC101 PB IC101 PB 1.0 Vp-p Pin 42 0.5 Vp-p Pin 20 IC101 PB IC101 PB 0.6 Vp-p Pin 7/4 0.3 Vp-p Pin 26

2-7. ON SCREEN (IC162) WAVEFORMS

17

18

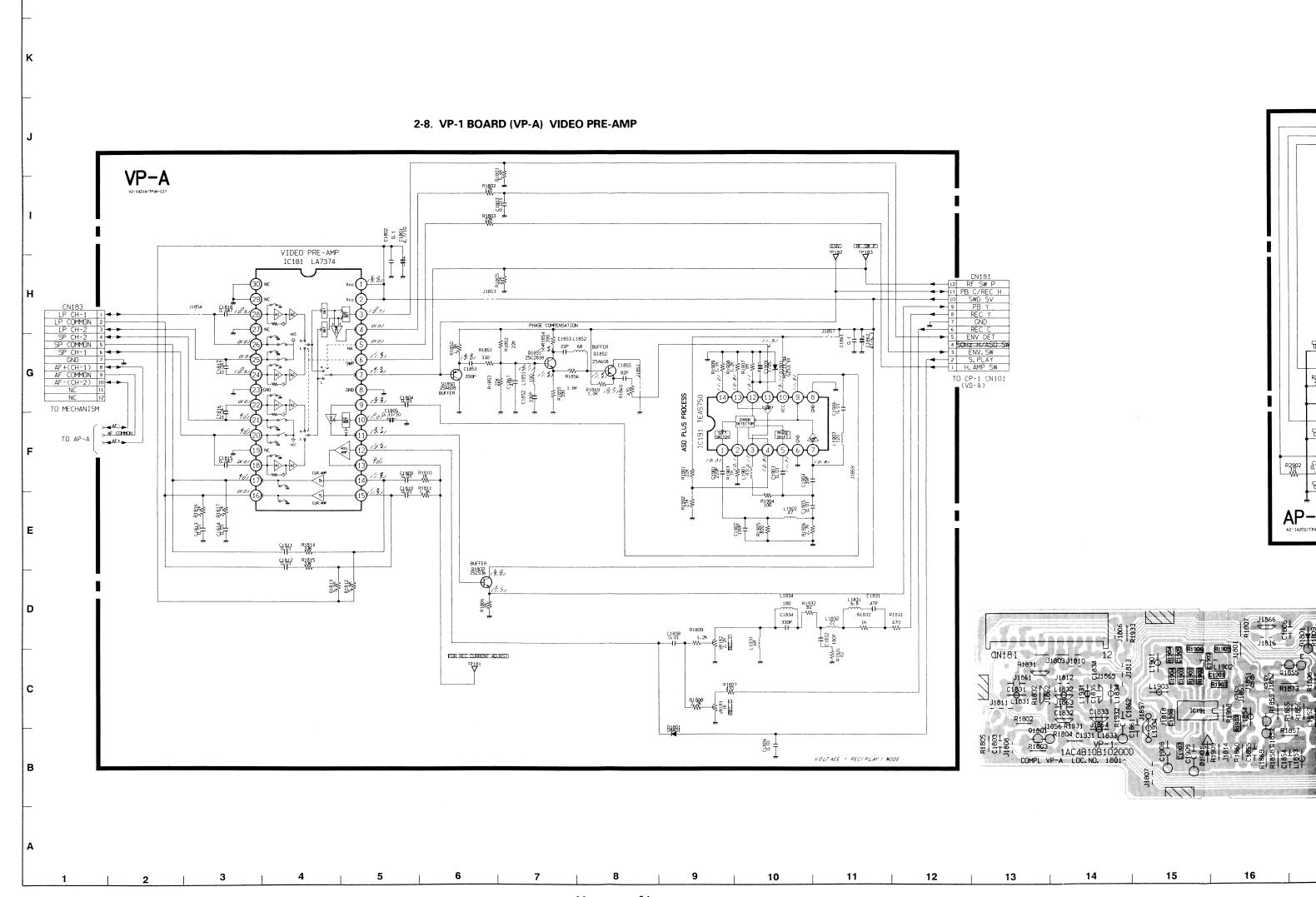
-7. Old Schiella (10102) WAVEL OHIVIS								
TEST LOCATION	WAVEFORM	LEVEL	TEST LOCATION	WAVEFORM	LEVEL			
Pin 5 (17.7MHz X-TAL)	······································	2Vp-p	Pin 19					
Pin 6 (17.7MHz X-TAL)		3Vp-p	(CV cr)		2Vp-p			
Pin 14 (HALF TONE)		5Vp-p	D:- 20					
Pin 16 (VIDEO OUT: WITH ON SCREEN)		2Vp-p	- Pin 20 (SYNC IN)		2Vp-p			
Pin 14 (HALF TONE)		5Vp-p	Pin 23 (PD OUT)		4.5Vp-p			
Pin 18 (VIDEO IN)		2Vp-p	Pin 16 (VIDEO OUT)		2Vp-p			
					ME HEO TO			

19

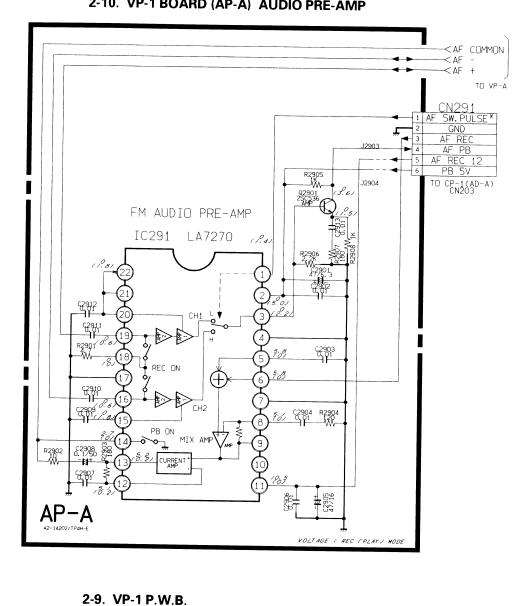
WF-UFO-TP4

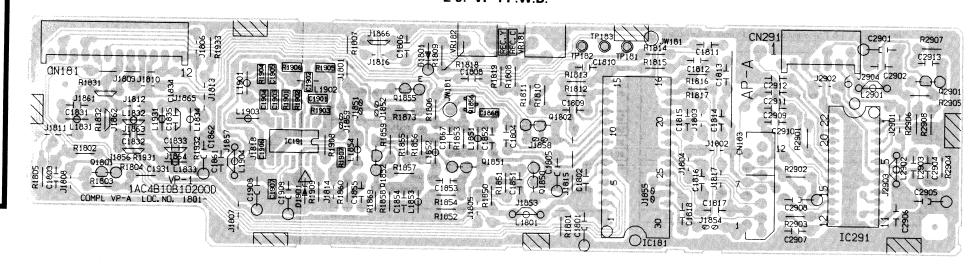
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2-10. VP-1 BOARD (AP-A) AUDIO PRE-AMP





BOARD (VP-A) VIDEO PRE-AMP

BUFFER 01802 250536 (\$:8)

TP183

R1832 1K

VOLTAGE : RECEPLAY) MODE

TO CP-1 CN101 (VD-A)

2-11. IC301 SYSTEM CONTROL, TIMER, & TUNING CONTROL MPU PIN FUNCTIONS TABLE

Moc PWM O Out high	I/O Signal Function nal for indicating CUE, REV, STILL, and SLOW Jes. put 4kHz PWM signal for set period at start of speed FF / REW. (For 2 Haed model) n down control for Head Motor Amplifter at SLOW de. (For 4 Head model) and for indicating SLOW/STILL modes and alter- on of drum motor control data. (3 value voltage) ke signal for capstan motor. off for capstan motor control voltage in SLOW /
2	put 4kHz PWM signal for set period at start of n-speed FF / REW. (For 2 Haed model) n down control for Head Motor Amplifier at SLOW de. (For 4 Head model) dd drum motor rotation speed - up signal. nal for indicating SLOW/STILL modes and alter- on of drum motor control data. (3 value voltage) ke signal for capstan motor.
Night	n-speed FF / REW. (For 2 Haed model) In down control for Head Motor Amplifier at SLOW Ide. (For 4 Head model) Ide drum motor rotation speed - up signal. In all for indicating SLOW/STILL modes and alter- In of drum motor control data. (3 value voltage) Ides signal for capstan motor.
CAP P. O Gair mod	n down control for Head Motor Amplifier at SLOW de. (For 4 Head model) ad drum motor rotation speed - up signal. The for indicating SLOW/STILL modes and alteron of drum motor control data. (3 value voltage) se signal for capstan motor.
3 DRUM UP O Hea	de. (For 4 Head model) ad drum motor rotation speed - up signal. al for indicating SLOW/STILL modes and alter- on of drum motor control data. (3 value voltage) ke signal for capstan motor.
3 DRUM UP O Hea	d drum motor rotation speed - up signal. nal for indicating SLOW/STILL modes and alteron of drum motor control data. (3 value voltage) ke signal for capstan motor.
4 SS + DRUM SHIFT O Sign nation 5 MC - BR O Braid 6 C - VS CUT O Cut STII 7 0 / 1 DATA I CTL dete	nal for indicating SLOW/STILL modes and alter- on of drum motor control data. (3 value voltage) ke signal for capstan motor.
nation nation nation	on of drum motor control data. (3 value voltage) ke signal for capstan motor.
5 MC - BR O Braid 6 C - VS CUT O Cut STII 7 0 / 1 DATA I CTL dete	ke signal for capstan motor.
6 C - Vs CUT O Cut STII 7 0 / 1 DATA I CTL dete	
7 0 / 1 DATA I CTL dete	on to capsian motor control voltage in SLOW /
dete	LL modes.
	pulse duty detection signal input. Used for VISS
B VOVNO I V	ection.
	ync input for TV system (50/60) discrimination.
	-TV system indication signal input.
1 1 1 1	tch input indicating start of cassette loading or
	harge by cassette mechanism.
11	al roast terminal for this IC
	al reset terminal for this IC.
	ck OSC during power failures. quency is 32kHz.
	und terminal
	lock OSC terminal.
	quency is 13.92MHz.
	ower supply terminal.(5Vdc)
	sor signal input for tape end detection.
	sor signal input for tape beginning detection.
21 POWER DOWN I Pow	ver failure detection terminal.
22 T. REEL S. I Puls	e input for detection of take-up reel table rotation.
23 TAPE SPEED I Inpu	t of result of tape speed discrimination by digital
	o IC.
1 1 1 1	er AFT s-curve signal input for tuner AFT
func	
25 ENV. I Vide func	to head envelope detection signal input for ATR
	io head envelope detection signal for ATR.
27	to flead envelope detection signal for ATA .
	e aspect video system indication signal input.
	all for disable the full erase oscillation.
	W or STILL modes indication signal.
	signal input of capstan motor.
32 AF REC O Sign	al for indicate the recording start of audio signal
at in	sert mode.
33 CTL P. I CTL	head recording / playback pulse signal input.
34 H SYNC (LEVEL) I Sync	c. detecton signal input for existing channel
	rimination.
1 1	t of RF switching pulse created by head drum
PG.	
	note control signal input.
	output during TU AFT mute. (V-syn model only)
38	
40 G7 O	
41 G6 O	
	olay grid outputs (FLD).
43 G4 O	' ' '
44 G3 O	
45 G2 O	
46 G1 O	
47 VDD - IC po	ower supply input.(5Vdc)
48 V LOAD O -23V	input for FLD drive.
49	
50 SECAM O SEC	AM processing mode indication signal.
51	
52 MESECAM O MES	SECAM processing mode indication signal.

No	Namo	II/O	I/O Signal Function
No.	Name	1/0	I/O Signal Function
53	SEG† I	0	
54	SEG †k	0	
55	SEG †j	0	
56	SEG †i SEG h	0	
57		0	Disales assessed as to (ELD)
58 59	SEG g SEG f	0	Display segment outputs (FLD).
60	SEG e	0	(Includes key-scan output)
61	SEG d	0	
62	SEG c	0	
63	SEG b	0	
64	SEG a	0	
65	KEY IN 0	ī	
66	KEY IN 1	i	Operation key data inputs.
67	KEY IN 2	·	operation key data inputs.
68	KEY IN 3	H	
69	SW DATA 0	i	
70	SW DATA 1	÷	3-bit data indicating operation position of mechanism.
71	SW DATA 2	Ė	o six data indicating operation position of mechanism.
72	SAFETY SW	Ė	Terminal for accidental erasure prevention switch.
-	OAI ETT OW	'	No operation to recording mode while "LOW" is input.
73	SV S. DATA	0	Output 8-bit X 4 serial data giving operation mode
, 0	0 0. DATA	١	and tracking data,etc., to digital servo IC.
74	OSD CS	0	Chip enable (access) signal output to OSD IC.
75	SV S CLK	0	The clock pulse for digital servo IC.
76	COMMON DATA	1/0	Terminal for communication of respective data with
		""	OSD IC, audio IC, and CH+ I/O selection IC.
77	I2C SDA	1/0	Data exchange with tuning data memory (I2C) IC.
78	COMMON CLK	0	The clock pulse for OSD IC, I2C IC, and audio IC.
79	CLK ADJ		1024 Hz signal for clock time adjustment.
80	PLL CS	0	Chip enable signal output to PLL tuning system IC.
			(F-syn model)
	PWM	0	Tuning voltage output (PWM signal). (V-syn model)
81	ASO +	0	Video picture quality selection signal.
82	TU SOUND	0	TV sound system (I/BG, I/DK etc.) indication.
83	PLL†DATA	0	Data exchange with PLL tuning system IC.(For F-syn)
	BAND 1	0	Tuning band data output (BAND 1/BAND 2).
84	BAND 2	0	(L,L)=VHF-LOW (L,H)=VHF-HIGH (H,L)=UHF
			(H,H)=SKIP.† (For V-syn. model)
	PLL†CLK	0	The clock pulse for PLL tuning system IC.(For F-syn)
85	CH PLUS CLK	0	The clock pulse for CH+ input/output selection IC.
			(For CH + model only)
	AV 1 / AV 2	0	External input source (AV 1/2) selection signal.
86	INPUT SEL. V	0	Video input source (TU/AV) selection signal.
	FSS IN	ī	CH + mode indication signal. (For CH + model only)
87	WIDE ASPECT ON	0	Video wide aspect system selection signal.
88	A NOR REC	0	Signal for indicate the full erase oscillation.
89	VSS	-	IC ground terminal.
90	VDD	-	IC power supply input.(5Vdc)
91	ML- F	0	Loading motor rotation direction (FWD) indication
			signal.
92	ML- R	0	Loading motor rotation direction (REV) indication
-			signal.
93	ML- L	0	Loading motor rotation speed (low speed) indication
-			signal.
94	ML- M	0	Loading motor rotation speed (medium speed)
			indication signal.
95	REC H	0	Signal for indicating recording mode.
96	PB H	0	Signal for indicating playback mode.
97	TUNER A MUTE	0	Signal for disable the tuner audio signal.
98	HIFI LO	_	Signal for indicating Hi-Fi mode.
99	AV CTL or ANT/VTR	0	AV terminal (pin8 of 21pin AV socket) control or the
"	0.20.784774111		ANT/VTR selection signal terminal.
100	POWER UP	0	"HIGH" output except when power is off. Indicating
, 50	1 OHEN OF		that power is ON.
		L	
			TP4H_TTS

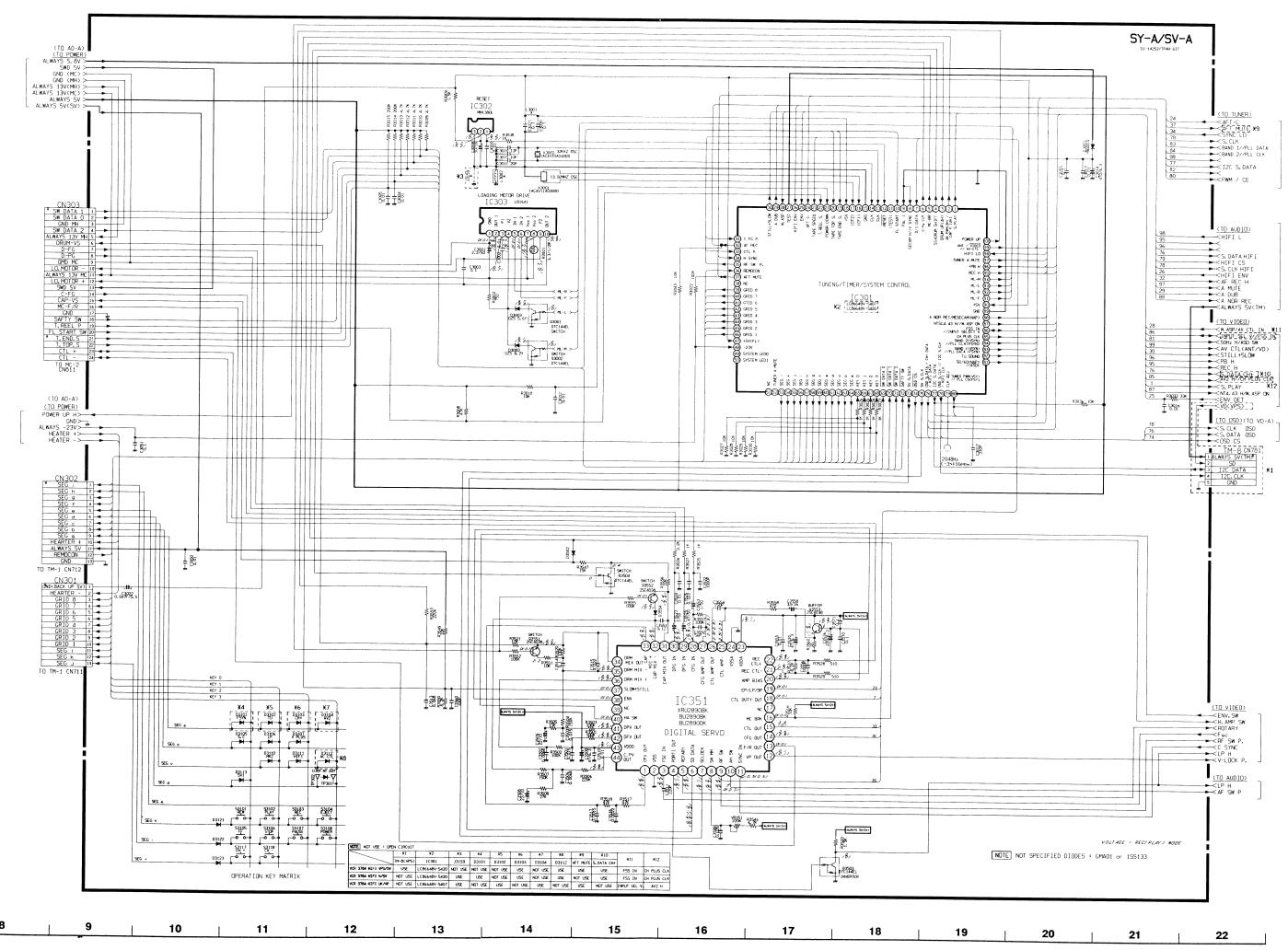
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2-13. SERVO CIRCUIT WAVEFORMS (IC351: XRU2890 Series)

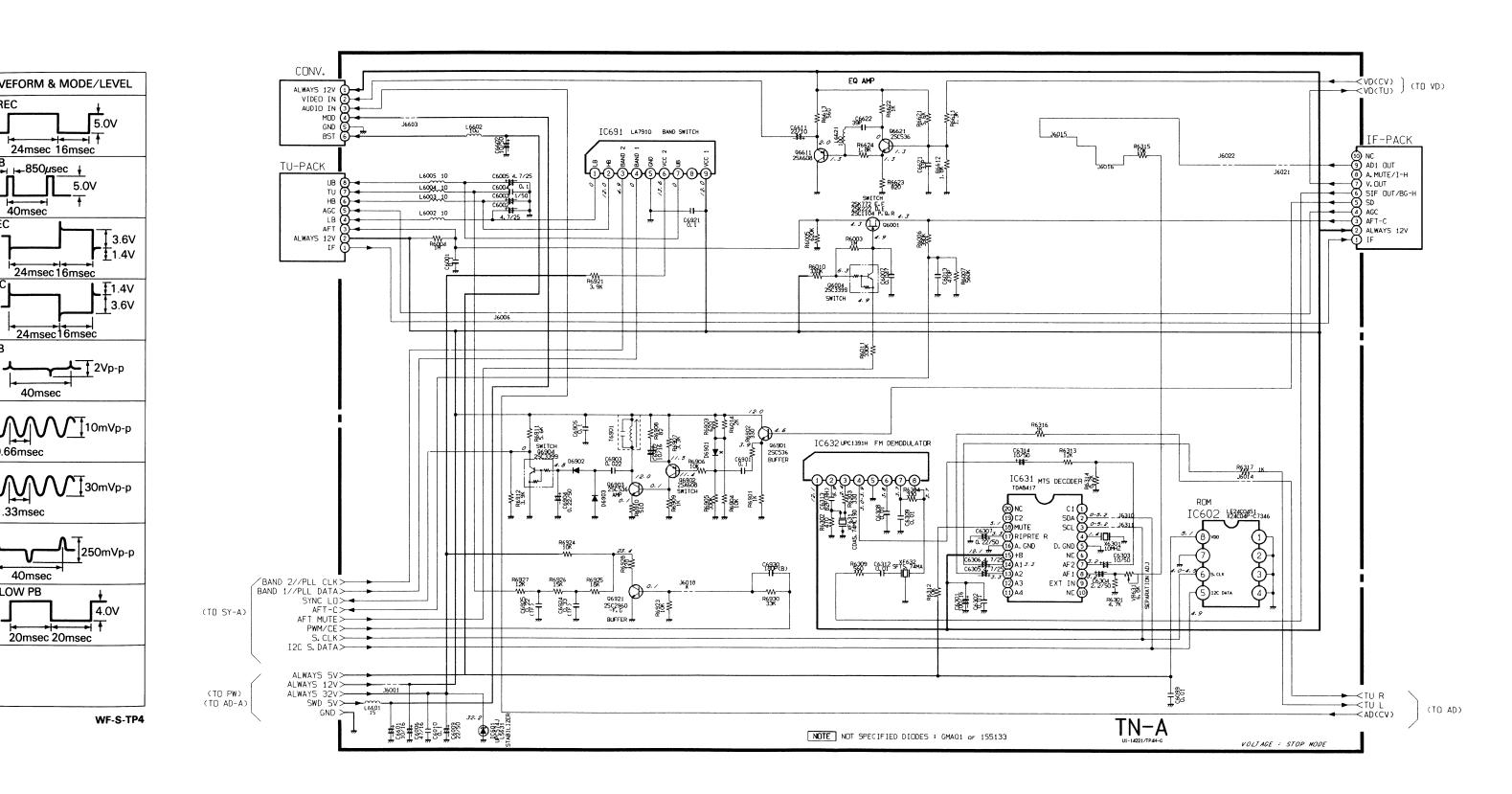
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TEST LOCATION	WAVEFORM & MODE/LEVEL	TEST LOCATION	WAVEFORM & MODE/LEVEL
Pin 40 (H.A.SWITCHING)	SLOW PB 5.0V 20msec 20msec	Pin 15 (CTL PULSE)	REC 5.0V 24msec 16msec
Pin 42 (PWM)	8.66KHz 5.0V	Pin 15 (CTL PULSE)	PB 850µsec ↓ 5.0V 40msec
Pin 41, 44, 1 (PWM)	5.0V 69.27KHz	Pin 21 (CTL HEAD-)	3.6V 24msec 16msec
Pin 3 (FSC INPUT)	0.3√p-p	Pin 22 (CTL HEAD+)	REC 11.4V 3.6V 24msec 16msec
Pin 5 (ROTARY)	PB 5.0V 20msec 20msec	Pin 26 (CTL AMP OUT)	PB 2Vp-p 40msec
Pin 8 (D-PG MM)	2msec 2.5V 7msec	Pin 28 (C-FG INPUT)	0.66msec
Pin 9 (RF SW PULSE)	5.0V 20msec 20msec	Pin 29 (D-FG INPUT)	1.33msec 30mVp-p
Pin 10 (AF SW PULSE)	PB 5.0V 20msec 20msec	Pin 30 (D-PG INPUT)	40msec 250mVp-p
Pin 11 (COMPOSITE SYNC INPUT)	######################################	Pin 38 (ENV.SW INPUT)	SLOW PB 4.0V 20msec 20msec
Pin 14 (C-FG PULSE)	5.0V		

CONV. ALWAYS 12V 1 VIDEO IN 2 → AUDIO IN 3 → IC691 LA7910 BAND SWITCH TU-PACK L6004 10 L6003 10 **₩** IC632 UPC1391H FM DEMODULATOR BAND 2//PLL CLK BAND 1//PLL DATA SYNC LO AFT-C R6925 18K 96921 25C2960 (TO SY-A) PWM/CE>-S. CLK>-ALWAYS 5V>-ALWAYS 12V>-ALWAYS 32V>-(TO PW) (TO AD-A) NOTE NOT SPECIFIED DIODES : GM

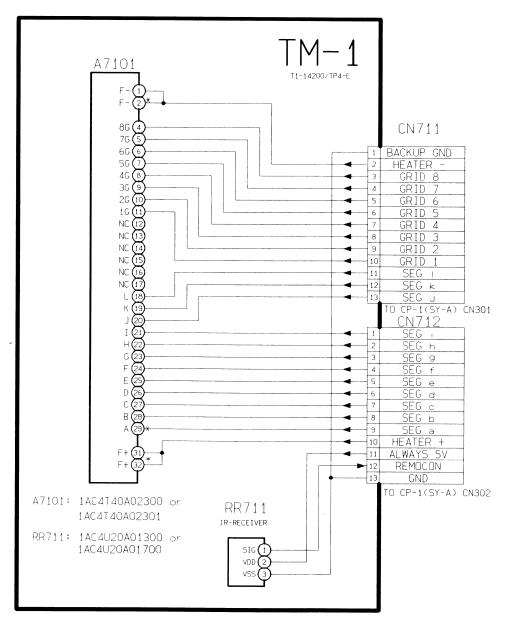
WF-S-TP4

2-14. CP-1 BOARD (TN-A, CV-A) TUNER IF, RF CONVERTER CONNECTION, & STEREO (MTS) DECODER (VCR 3784 HIFI VPS/SV) Note: The TN-A circuit diagrams for the model VCR 3784 HIFI N/SV is shown in page 45. The TN-A circuit diagrams for the model VCR 3784 HIFI UK/VP is shown in page 47.



2-17. A7101 DISPLAY (FLD) GRID/ANODE ASSIGNMENT DRAWING & TABLE

2-15. TM-1 BOARD DISPLAY (FLD)



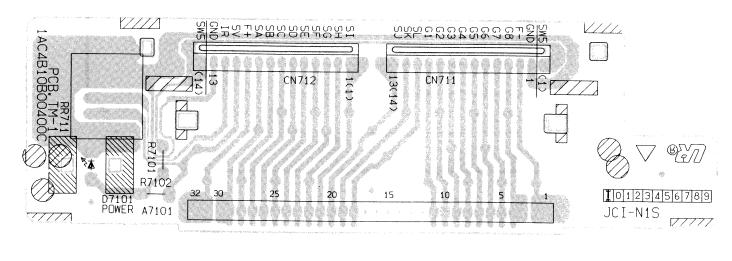
C SAT C AM VCR L R C AM VCR L R

ANODE CONNECTION

GRID SEGMENT	G8	G7	G6	G5	G4	G3	G2	G1
а	С	4	>	REC	AM	VCR	L	n
b	SAT	k	00	_	_	k	R	k
С	а	a	-	а	а	а	а	а
d	b	р	ⅎ	b	b	b	b	b
е	С	С		С	С	С	С	С
f	d	d		d	d	d	d	d
g	е	е	_	е	е	е	е	е
h	f	f	_	f	f	f	f	f
i	g	g	-	g	g	g	g	g
j	1	-	_	-	ı	1	i	1
k	m	_	_	•	_	M	:	m
1	BIL	ST	OFF	REM	PM	SP	LP	ΕP

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2-16. TM-1 P.W.B.



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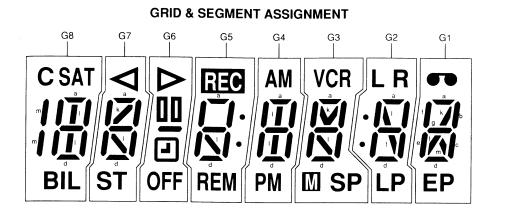
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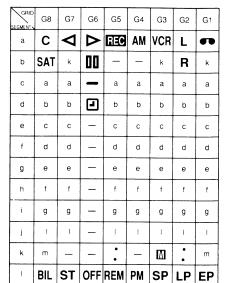
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2-18. TB-1 P.W.B.

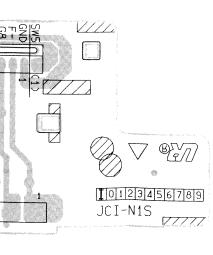


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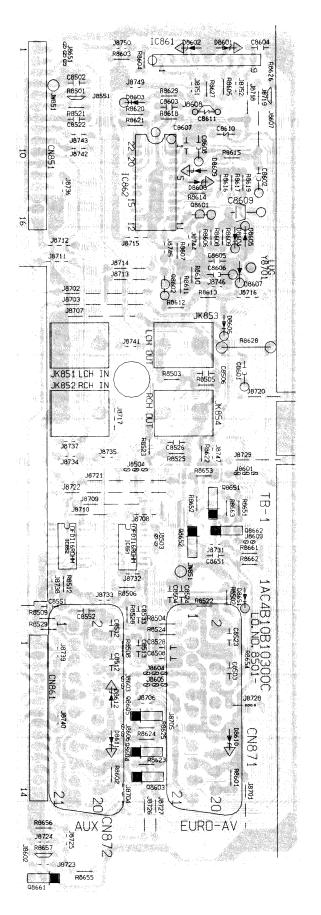


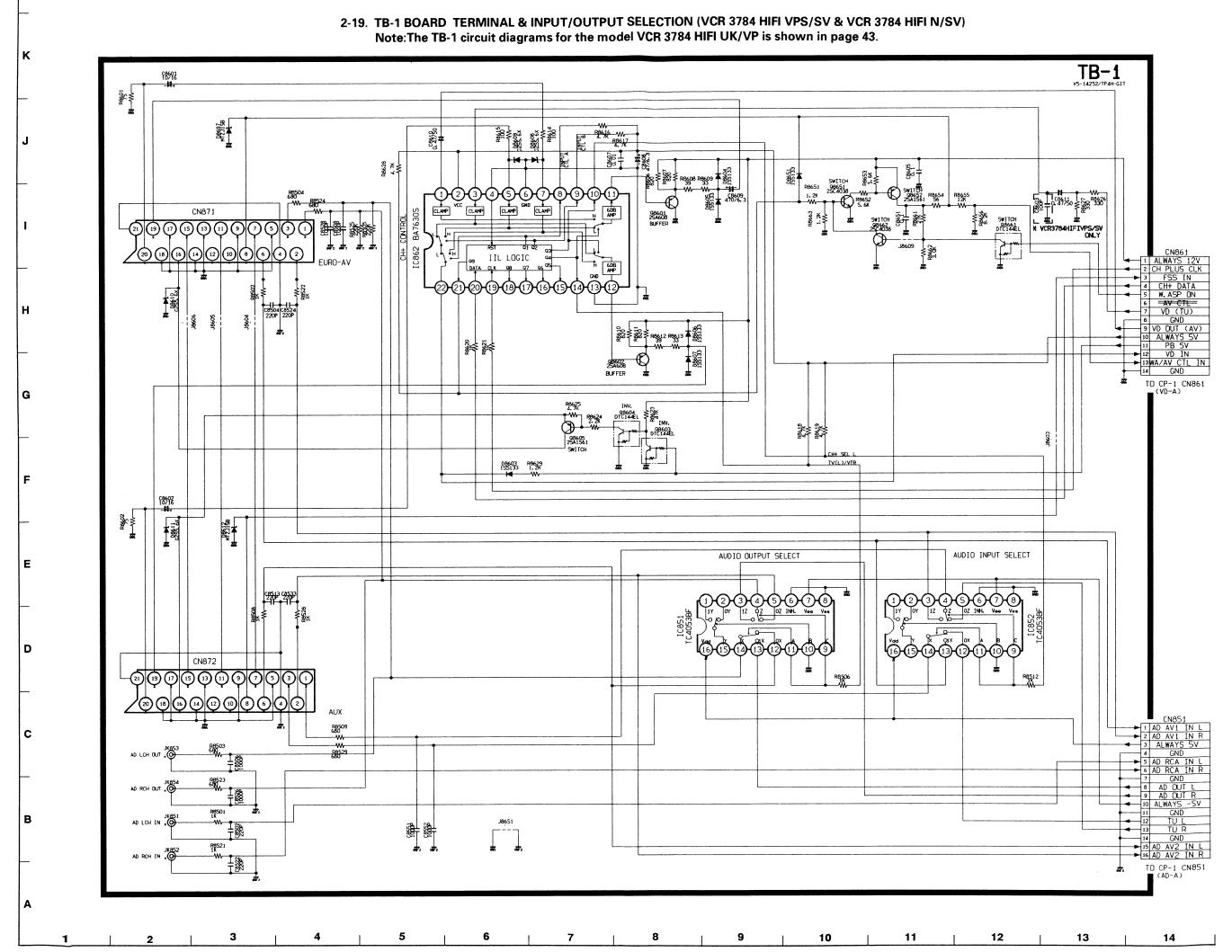
ANODE CONNECTION

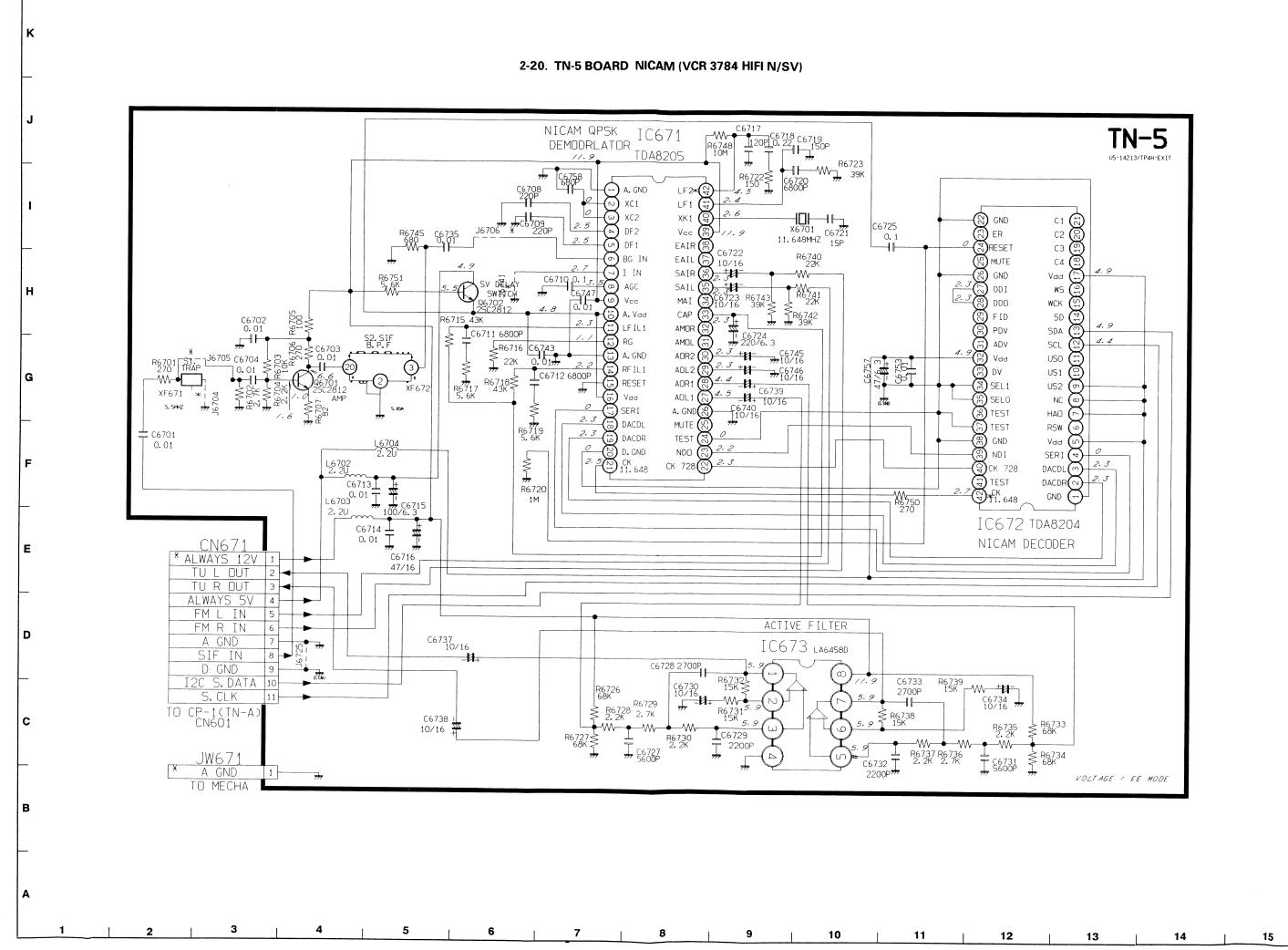
GR-02300



A) CN302







2-21. TN-5 P.W.B. (VCR 3784 HIFI N/SV, & VCR 3784 HIFI UK/VP)

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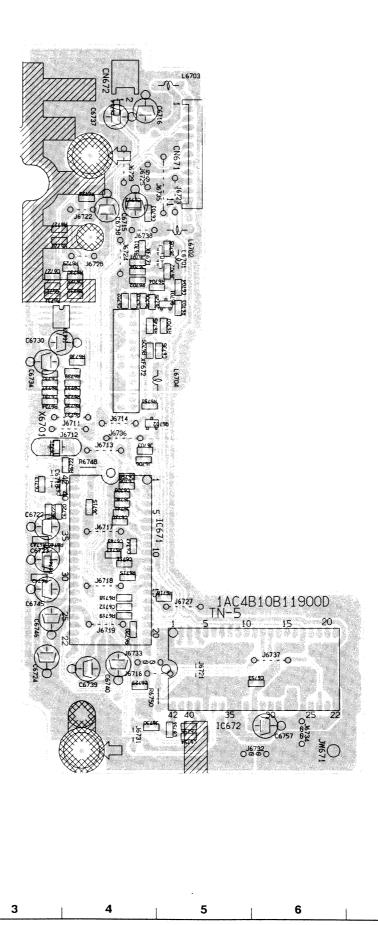
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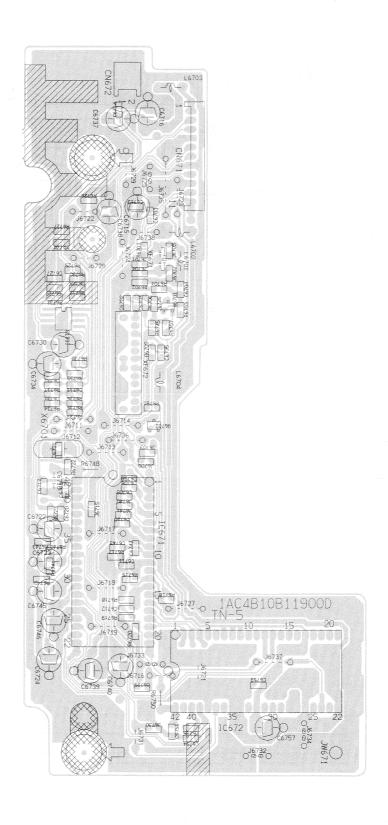
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2-21. TN-5 P.W.B. (VCR 3784 HIFI N/SV, & VCR 3784 HIFI UK/VP)



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Part Control

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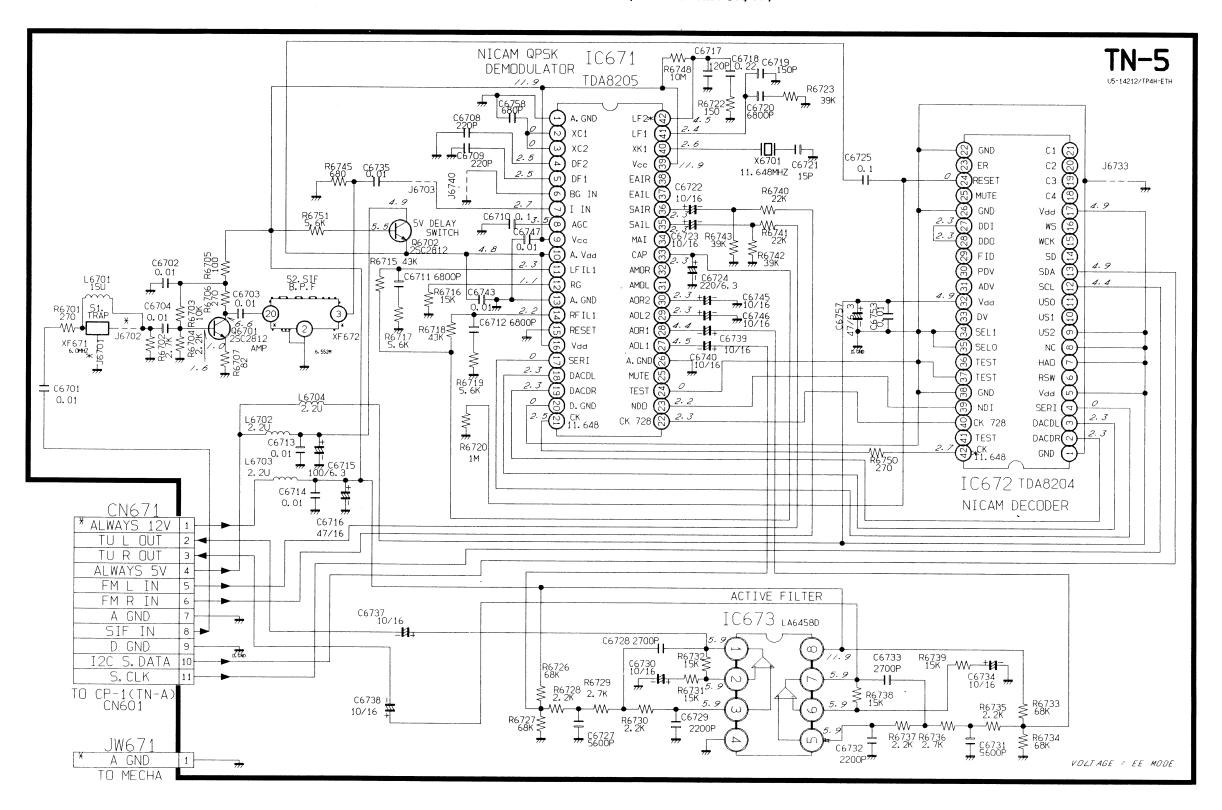
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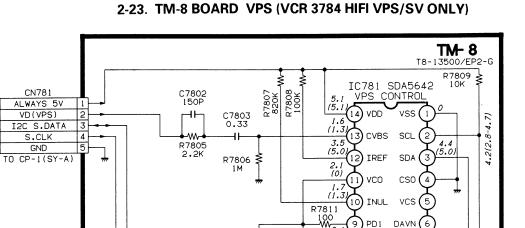
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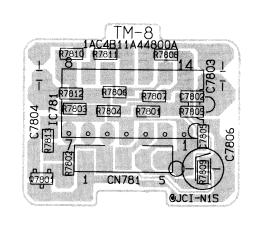
2-22. TN-5 BOARD NICAM (VCR 3784 HIFI UK/VP)

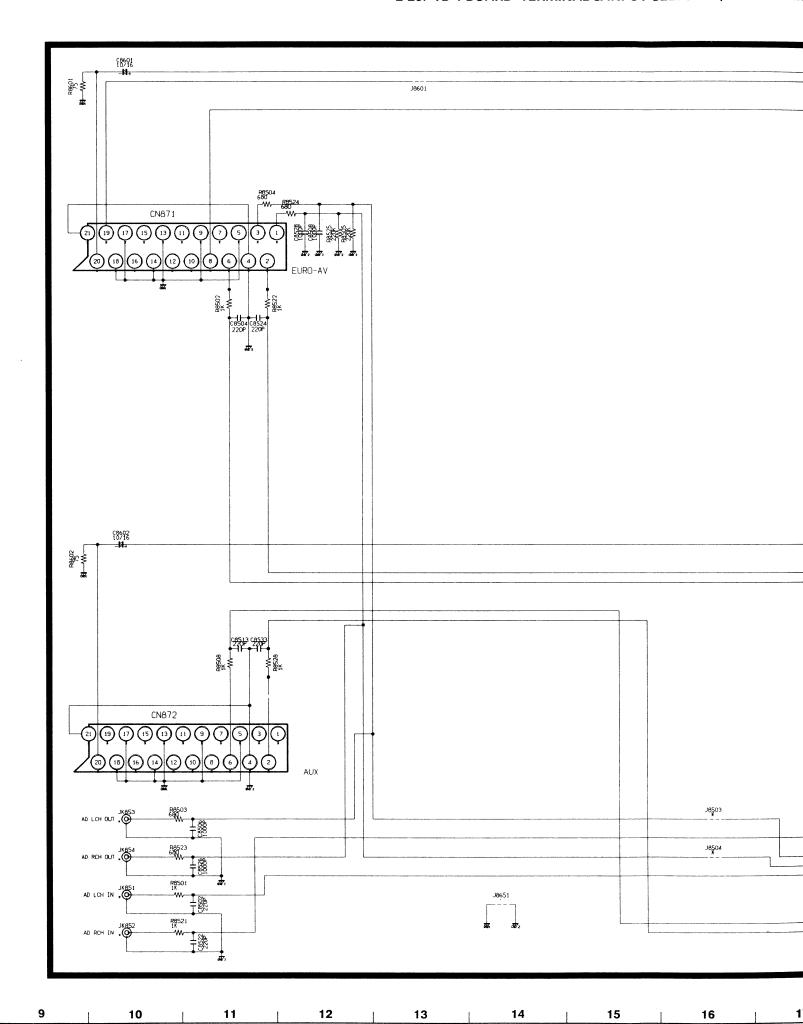




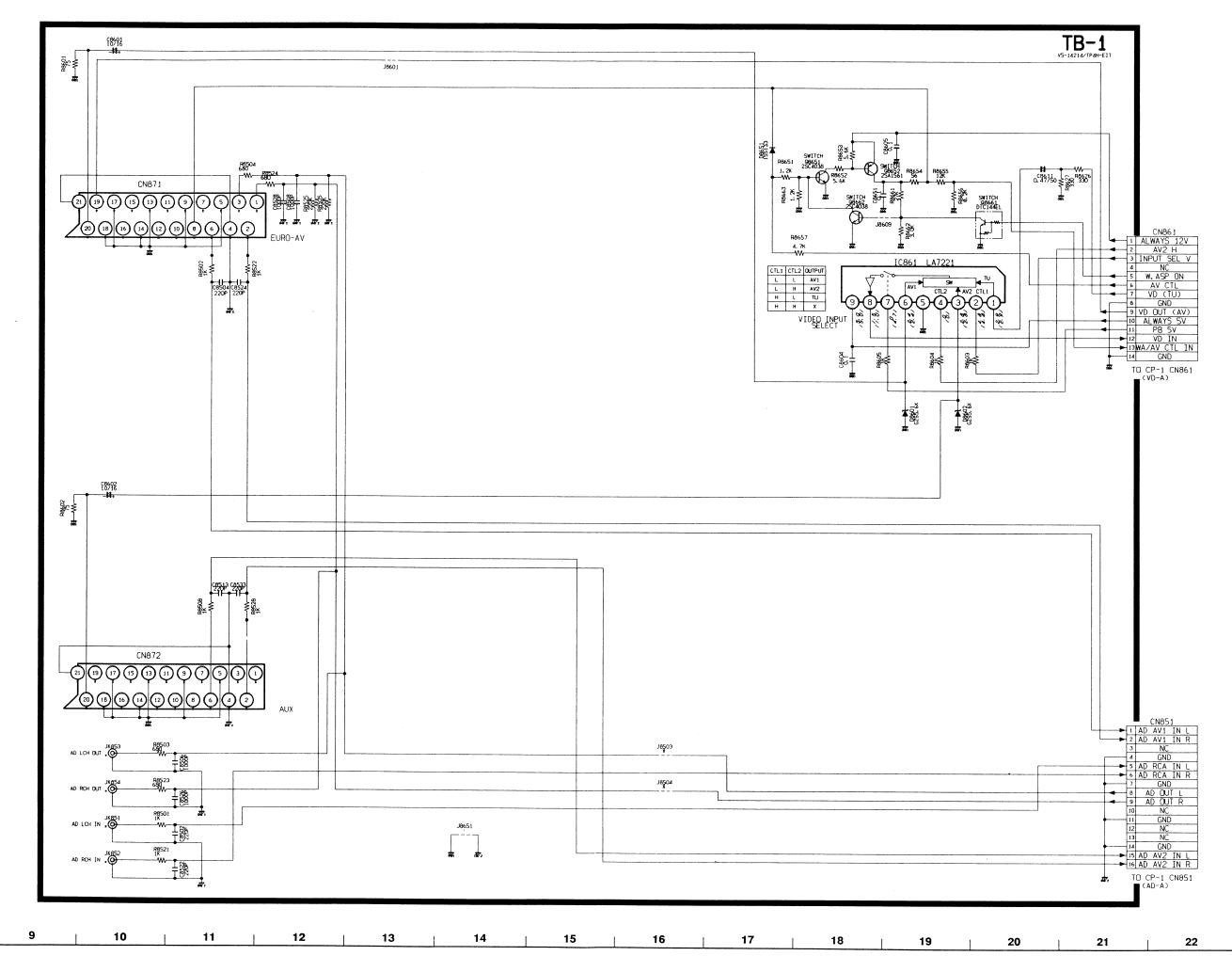
2-24. TM-8 P.W.B. (VCR 3784 HIFI VPS/SV ONLY)

VOLTAGE : REC (PLAY) MODE, VPS-ON





E



2-26. CP-1 BOARD (TN-A, CV-A) TUNER IF & RF CONVERTER CONNECTION (VCR 3784 HIFI N/SV) CONV. VD(CV) (TD VD) EQ AMP ALWAYS 12V 1 VIDEO IN 2 AUDIO IN 3 MOD 4 GND 5 BST 6 J6603 BUFFER 25053 IF-PACK C6011 4,7/25 (ii) NC -(ii) AD1 OUT (ii) A. MUTE/I-H -(iii) V. OUT -(iii) SIF OUT/BG-H -(iii) SD -(iii) AGC -(iii) AFT-C -(iii) IF TU-PACK UB (8) TU (7) HB (6) AGC (5) LB (4) NC (3) ALWAYS 12V (2) ₹ R6623 ALWAYS 32V ALWAYS 5V (12 DATA (11 G CLOCK 10 CE 🗿 4 ALWAYS SV 5 FM L IN 6 FM R IN 7 A GND 7 A GND 9 D GND 10 I2C S, DATA 11 S, CLK NICAM (TO TN-5) CN671 J6009 D BAND 2//PLL CLK> BAND 1//PLL DATA> SYNC LD> AFT-C> J6019 (TO SY-A) PWM/CE> S. CLK> 7.50.4 7. →<TU R (TO PW) ALWAYS 32V> → TU L AD(CV) NORMAL (TO AD-A) (TO AD) GND > TN-A NOTE NOT SPECIFIED DIODES : GMAO1 or 155133 VOLTAGE : STOP MODE 11 12

- 45 -

- 46 -

